CHEMISTAND DRUGGIST

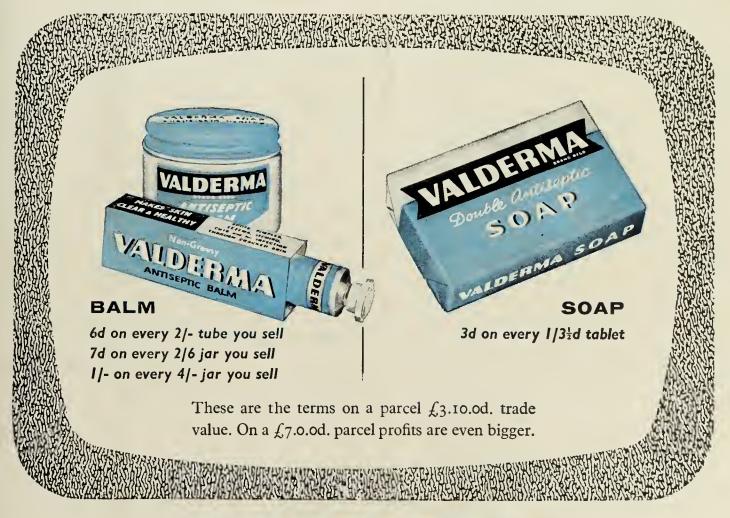
For Retailer, Wholesaler and Manufacturer

AUGUST 2 1958

.V. Advertising is working for YOU!

evision advertising is now backing up a powerful Press camgn, which is bound to bring new customers into your shop for

Valderma Balm and Soap. Show Valderma in your window and on your counter and cash in on these profitable lines now.



VALDERMA

Antiseptic Balm and Soap



Sales promotion and advertising for Antasma, Potter's asthma preparation in tablet form which was introduced a year ago, has now been extended to cover a number of specially chosen women's magazines. It is becoming increasingly evident that this new advertising is creating demand, and many letters expressing appreciation have been received from grateful asthma and hay fever sufferers. advertising:

TRUE STORY . TRUE ROMANCES HOME WOMAN'S ILLUSTRATED WOMAN'S REALM WOMAN'S DAY WOMAN'S MIRROR

Retail:

24 small size

54 large size (3 phials)

THE PRODUCT IS RIGHT! THE PRICE IS RIGHT! ARE YOUR STOCKS RIGHT? Orders through Wholesalers only

Sole Proprietors & Manufacturers:

POTTER & CLARKE LIMITED, River Road, Barking, Essex. Telephone: RIPpleway 1105

HIGHEST TOLERATION

PRACTICAL DOSAGE COMBINATIONS

> SATISFACTORY CLINICAL RESPONSE

> > Physicians therefore specify

Calcium B-PAS WANDER

(calcium B-PAS Wander plus isoniazid)

in the domiciliary Chemotherapy of Tuberculosis

B-PAS (Wander), 4-benzoylamino-2-hydroxybenzoic acid, first introduced by our Research Laboratories in 1948, is the drug of choice in regimens comprising PAS in concurrent therapy.

In the form of its calcium salt, it induces only minimal side-effects as compared with sodium PAS, and because of its high acceptability guarantees as far as possible that domiciliary patients take their medication.

'B-PASINAH' (B-PAS plus Isoniazid)

Powders: Calcium B-PAS (Wander) 3.5g. Isoniazid

Tins of 150 and 400

Cachets: Calcium B-PAS (Wander) 1g. Isoniazid ... 25mg.

Tins of 100 and 500

CALCIUM B-PAS (Wander)

Powders: Tins of 150 and 400 x 3.5g. envelopes Cachets: ,, ,, 80 and 400 x 1.0g.

Also available: Sodium B-PAS (Wander) in 1.5g. Cachets.



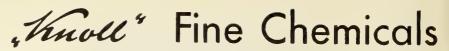
Price details of all forms of PAS from the Medical Dept.

All Wander tuberculostatic products are available from usual wholesalers or direct from

A. WANDER LIMITED, 42 UPPER GROSVENOR ST., GROSVENOR SQ., LONDON W.1



T56



enjoy world-wide

reputation

Barbonin®

(6,7-diaethoxy-l-[3,4-diaethoxy-benzyl]-isochinoline)

Bromoisovalerylurea (Bromvaletone B.P.C.)

Caffeine Alkaloid and salts

Ephedrine, its salts and derivatives

Papaverine and its salts

Pentamethylenetetrazol (Leptozol B.P.)

Theophylline, its salts and derivatives

Theophylline Ethylene Diamine

distinguished by their purity and meet the requirements

pharmacapæias.

of the praminent

Marketed by

Alwitt Trading Co., Ltd.

1, Broad Street Place LONDON, E.C.2

KNOLL A.-G. · Chemical Warks · Ludwigshafen-on-Rhine



MAINLY FOR MEN

Introducing a distinguished newcomer. A very high-grade range of toiletries for men from that famous house

Cyclax OF LONDON

You will be interested to know that this range consists of Cologne, Tonic Hair Lotion, Pre-electric Shave, After-shave Lotion, Bath Talc, Invisible Talc, Shampoo, Spray Deodorant, Lather and Brushless Shave, Soap.

a born leader
with a great
tradition behind it



Men's Division: 65 South Molton St., W.1

Win the lasting gratitude of your coughing, sneezing customers by recommending

BESORB

MEDICINAL SNUFF

the **proved** remedy

Your wholesaler can supply you promptly. Orders of one dozen come in attractive counter display box for

MORE SALES-MORE PROFIT

Kemsales Ltd., 20 Eastcheap, London, E.C.3

LABORATORY NATIVELLE LTD, presents:-

A new GENERAL SEDATIVE with elective cardiac action

Each tablet contains:

Phenylethylbarbiturate of Quinidine: 0. 10 gm. A new, crystalline salt of high purity, stable and with definite physical characteristics.

... ... Retail price 10/3 Bottle of 20 Bottles of 100 (Dispensing Packs)

LABORATORY NATIVELLE LTD

74 White Lion Street, London, N.I

Other lines: DIGITALINE NATIVELLE — OUABAINE ARNAUD IODHEMA—NATIROSE



BURROUGH'S SOLUTE ALGO JAMES BURROUGH LTO. 1 CALE DISTILLERY LONDON S.E.11

MANUFACTURER'S OFFER OF STEEL SHELVING

- Brand new Manufactured
- Brand new Manufactured in aur awn warks
 Shelves adjustable every inch
 Heavy gauge shelves will carry 400 lb. each
 Stave enamelled dark green (alsa in white at £5 per bay)
 6 shelves per bay extra shelves 8/- each
 Quantity discaunts

72" High 34" Wide

12" Deep

Delivered FREE £3 15s. ENGLAND, SCOTLAND & WALES

Ready for Erection

N. C. BROWN LTD.

SHELVING DIVISION . EAGLE STEEL WORKS HEYWOOD . LANCS



and All-Steel DRAWER **UNITS**

The Standard drawer, S in. wide × 3 in. high × 11½ in. long containing one free divider and drawer card. Sample will be sent on request. 20 of these drawers are contained in the T W E N T Y.''
Overall size,
42 in. high ×
13 in. wide ×
12 in. deep. 12 in, deep. Delivered free

Send for leaflets of other sizes Stove Enamelled Dark Green.



GALLIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

AND DERIVATIVES

WHOLESALE AND EXPORT ONLY

THE BRITISH DYEWOOD CO. LTD., 19 ST. VINCENT PLACE, GLASGOW, C.1.

August 2, 1958

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New foot comfort with Stride medicated FOOT POWDER

In summer, most people need foot comfort. At the same time, many need protection from foot infections—especially Athlete's Foot.

Stride offers these benefits

STRIDE relieves hot, sore, tired feet, cracked and moist skin conditions. STRIDE absorbs perspiration and is a deodorant. And STRIDE protects against infections. For easy use, STRIDE comes in a polythene puffer pack.

Stride contains

Chlorphenesin and hexachlorophene in a smooth, light powder base.

Stride display material

STRIDE is ready to display in an attractive 6-pack carton. Give your stock extra support with the showcard and crowner—they're both designed for big impact in a small amount of your space.

Stride prices

- - - 2/2d, excluding purchase tax Retail - - - 3/9d, including purchase tax



THE BRITISH DRUG HOUSES LTD. LONDON N.1



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Send for illustrated price list (stating name of wholesaler) to

POUNDGATE PRODUCTS LTD., Dept. M, 182/184, DAWES ROAD, LONDON, S.W.6



SMUTPOUND BOYLID DERRY
RICHARD DANIELES ON LID DERRY
RICHARD DANIELES ON LID DERRY

Supplies obtainable from your usual Wholesaler

Manufactured and packed in the Laboratories of

Sample box gladly sent upon request from

RICHARD DANIEL & SON, LTD.

Mansfield Rd., Derby. Tel. 40671 (8 lines) and at Grosvenor St., Ashton-u-Lyne. Tel. 2816 (6 lines)

INCREASE IN PRICE

As from Monday 4th August NIGROIDS will retail at I/- a tin.

INCREASE IN PROFIT MARGIN

As from Monday 4th August the retailers' 25% is advanced to $27\frac{1}{9}\%$.

THE COMBINED EFFECT

is that in future on each gross that you sell, and you are going to sell more, you will make

32/6 not 25/-

Only the finest ingredients are used in the manufacture of NIGROIDS and remember that only NIGROIDS contain 2.06% Menthol. You may so confidently recommend them to your customer.

Your wholesaler will be glad to meet your requirements.

NIGROIDS FOR THE THROAT

NIGROIDS FOR THE VOICE

YOUR CUSTOMER WILL NOT FORGET THAT IT WAS YOU WHO SUGGESTED NIGROIDS NIGROID FERRIS LTD., THEATRE STREET, WARWICK





THE WORLD-WIDE SERVICE

From Formula to Consumer Package

ARTHUR H. COX & CO. LTD., BRIGHTON . ENGLAND

Thovaline

the answer to



- bedsores
- burns
- urine dermatitis

BEDSORES can be prevented by applying THOVALINE before the trouble starts but if already in existence will help greatly in the healing.

URINE DERMATITIS. Excellent healing properties where rash exists and will prevent such trouble occurring if applied beforehand. Offensive odour is eliminated.

BURNS. Unique action. THOVALINE is self sterile, it eliminates pain and is a rapid healer.

Particulars from your usual wholesale house:

N LABORATORIES

LORNE STREET · HAMILTON · LANARKSHIRE

Tel: HAMILTON 410

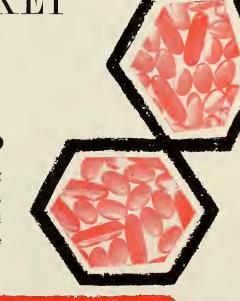
for the GREAT POTENTIAL

MULTI-VITAMINS MARKET

ONLY Scherer's

CAPSULE SERVICE YOU DEMAND

Multi-vitamins represent an important, rapidly growing market; they are essential to health. Only the large, scientifically controlled Scherer organisation is geared up to provide you with an unequalled, comprehensive and fully confidential production service—NOW.





LABORATORY CONTROL Scherer's Triple Guarantee

- 1. All materials analysed on delivery.
- 2. All mixes analysed before encapsulation.
- 3. All capsules analysed before despatch and protocols available on request.

THE PARTY OF THE P

PROTECTION

Hermetic sealing ensures the perfect, permanent protection, essential with many vitamins.

YOUR SAFEGUARD

Thousands, or millions, of gelatin capsules can be produced completely to your formula—in colours and shapes exclusive to you.

ACCURACY

Fill tolerance to within 1%.

Scherer Ltd.

can encapsulate most pharmaceuticals—please ask for details

R.P. SCHERER, Ltd., 216-222 BATH ROAD, SLOUGH, BUCKS. 'Phone: SLOUGH 21241

COMPLETE SERVICE

The Scherer service means no capital outlay on your part; you supply your formula, and the encapsuled products, guaranteed, will be delivered to you complete—even strip packed if you wish.



BRISTOW'S



The new formula Bristow's Lanolin Cream Shampoo in sachets has been a smash hit. Sales are soaring — and now comes this new uncrushable polythene tube pack as an appealing addition to the range. This handsome and so-practical new-style tube is being backed by heavy advertising support. At 3/-* this tube is the tops in value—just as new Bristow's is tops for glorifying dry hair. Stock it—display it—it will sell itself!



* NOTE: The retail selling price of the New Bristow's Lanolin Liquid Shampoo bottle is now 3/-

Use this colourful display outer to multiply your sales



LARGE UNCRUSHABLE
POLYTHENE TUBE



New Bristow's Lanolin Shampoos

COUNTY LABORATORIES LTD . HONEYPOT LANE, STANMORE, MIDDX . WORDSWORTH 4321



Deep roots...

In the highly specialised sphere of drug growing, Ransom's roots go deep. Founded more than a century ago, the Company can claim a vast fund of experience that has long been acknowledged around the world. And Ransoms is a truly progressive organisation . . . always seeking still better methods of cultivation . . . always developing still newer strains of medicinal plants on the Company's drug-growing farms at St. Ives. Ransoms look energetically to a future in which drugs and galenicals will continue to fill a vital role, for nature often provides the best measures against diseases, despite today's use of synthetic drugs.

EXTRACTS · TINCTURES · ESSENTIAL OILS · RESINS · CHLOROPHYLL

Actual growers of

BELLADONNA · HENBANE · FOXGLOVE · PEPPERMINT · LAVENDER

Samples and quotations gladly supplied

SPECIALISTS IN THE MANUFACTURE OF PRODUCTS TO CUSTOMERS'

OWN FORMULAS

WILLIAM RANSOM & SON LIMITED

Hitchin · Hertfordshire · England



Established 1846



Sunshine and Warmth ... for people of all ages

So many people would feel all the better for the stimulating warmth and sunshine provided by Philips Health Lamps. For instance, when used on medical advice, these lamps are often remarkably successful in treating rheumatic complaints and debilitated conditions.

Philips Ultra-violet SUNLAMP

Philips Sunlamp gives the blessing of "Mountain sun-shine". Doctors know the value of the right type of sunlight and do not hesitate to recommend the Philips Ultra-violet Sunlamp Price: £5.17.6d. (Including goggles.)

Philips Infra-red INFRAPHIL

Philips Infraphil was installed in the medical centres at the last two Olympic Games. It is most valuable in alleviating the pain of arthritis, rheumatism and muscle-strain. Infraphil Infrared lamp costs only £3.3s.0d. (as illustrated). De-luxe model "A" Price: £4.4s.0d.

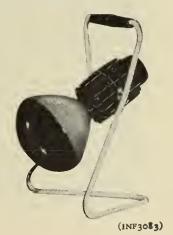
A doctor's certificate must be presented when either of these lamps is purchased by the public.



PHILIPS ELECTRICAL LTD

ELECTRICAL APPLIANCES DIVISION

Century House · Shaftesbury Avenue · London · W.C.2



NOW MADE HERE ... THE





UNIVERSAL L - PURPOSE COMMINUTING MACHINE

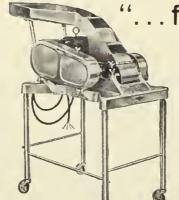
Stainless steel construction

Reversible comminuting chamber

Easy to clean

Completely mobile

Full details from:



. for reducing to powder,

granule or slurry

pigs' ears and mullet

candies and &

and in a hurry!"

MACHINES LIMITED

TELEPHONE: HUNTS CROSS 1972 TELEGRAMS: MANESTY, LIVERPOOL 24

DEPT. SPEKE LIVERPOOL 24

TABLET MACHINES

MIXERS

GRANULATORS

COATING PANS

PUNCHES AND DIES



BIGTV advertising is making this Thermos 14QH model our best Seller Get some more on order FAST



Ever more popular Family Size 14QH (36 fl. oz.) fitted with convenient handle to make pouring simpler, more spill-proof than ever. Non-drip polythene pouring lip. Twin cups.

THE RELIABLE BRAND OF VACUUM VESSELS
THERMOS LIMITED . SEYMOUR ROAD . LEYTON . LONDON . E10

Tel: LEYtonstone 4061-4

E. Illingworth & Co. (Bradford) Ltd.

Cotton Wools

B.P.C. QUALITY COTTON WOOLS HOSPITAL QUALITY COTTON WOOL (Drug Tariff)

Sterilised and Unsterilised in all weights, for Home and Export.

> Quantities labelled with your own labels

*COTTON WOOL DISPENSER (Pleated filling. Attractive Pack)

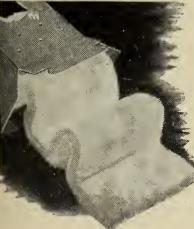
BOTTLE NECK WOOL, FILTER PADS WOOL AND COTTON TISSUE B.P.C. Quality RESPIRATOR REFILLS

Packing Materials NEEDLELOOM FELTS

for thermal, sound and vibration insulation and protection.

Cotton Wools

Bleached and Unbleached Rolls from 2 in. to 40 in. wide, weights 3 oz. per sq. yd. upwards.



*Only as much as is needed is pulled out at a time!

Illmond Cotton Wool Dispenser Pack

Package has tuck-in ends and can be resealed. Hygiene ensured. Elegant design of pack makes perfect for a lady's dressing table.

E. ILLINGWORTH & CO. (BRADFORD) LTD.

Shelf Mills, Shelf, Halifax

Tel: Bradford 76261-5

Grams: "Illmond" Bradford



THE CHEMIST RUGGIST

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 170

August 2, 1958

No. 4093

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PUBLISHED BY

MORGAN BROTHERS (PUBLISHERS), LTD., at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

Branch Offices:
WOLVERHAMPTON: 89 Woodland Avenue, Tettenhall Wood,
GLASGOW: 160 Nether Auldhouse Road, S.3. Phone: Langside 2679.
LEEDS, 16: 32 Wynford Rise, West Park. Phone: Leeds 67 8438.

ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £2 10s. Single copies one shilling each.

WELLCOME INST

Coll.

Coll.

10.

LIBRARY

WelMOmec

When people think of soap...

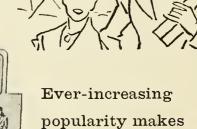
especially Housewives, Nurses and Doctors, they think of...

WRIGHT'S

Everyone goes for it. And consistent advertising, powerful promotion and point-of-sale display aids will keep them coming back to your door for more.

The Golden Tablet in Bath and Toilet sizes

WRIGHT LAYMAN & UMNEY



WRIGHT'S
YOUR BEST

SELF-SELLER

SOUTHWARK . LONDON . S.E.1



Tessalon Perles

Selective inhibition of the cough reflex

Tessalon has a unique mode of action as a cough depressant. It acts both by reducing the sensitivity of the pulmonary stretch receptors which form the starting point of a cough, and by depressing the transmission of afferent cough impulses.

Dose: One 100 mg. Perle (Capsule) 3 or 4 times daily swallowed whole. If necessary this dose may be doubled.

Packages: Perles containing 100 mg. nonaethylene-elycolmonomethylether-p-n-butylamino-benzoate in 25's (6[-), 100's (22[-), and 500's (105[-).

Prices subject to a retail discount of 33\}\%. Exempt P.T.

CIBA

'Tessalon' is a registered trade mark. Reg. user

CIBA LABORATORIES LIMITED, HORSHAM, SUSSEX.

Telephone: Horsham 4321.

Telegrams: Cibalabs, Horsham

1/8

Volume 170

AUGUST 2, 1958

No. 4093

Easing of Chemical Imports

DOLLAR AREA RESTRICTIONS REMOVED

WITH effect from August 18, the import licensing restrictions will be removed from a wide range of chemicals and allied products imported from the dollar area.

The broad effect will be that, with eertain exceptions such as dyestuffs and intermediates, import licences will no longer be required for most chemicals used as industrial materials.

C.F. Court Hearing

PROCEDURE AGREED

IN the Restrictive Practices Court on July 30, Mr. Justiee Devlin complimented Mr. J. R. Cummings-Bruce (for the Registrar) and Mr. Joseph Dean (for the Chemists Federation) on the procedure, which they had agreed, eoneerning the exchange of statements be-fore the hearing in October (see C. & D., July 19, p. 52). He suggested that the procedure might be used as a precedent in other eases. Both parties agreed that the contents of the state-ments would be shown only to such perments would be shown only to such persons as was necessary to the preparation of the ease. Mr. Cummings-Bruce told the Court that there was a "high degree of agreement" on the evidence between the parties and both were assured that there would be no surprise. The salient features of their eases would be made known to both sides in all their detail by September 16.

Selling to Canada

"NO PLACE FOR SENTIMENT"

"CANADA is a giant which, industrially, is really only just beginning to stir," said Sir William Rootes (chairman of the Dollar Exports Council and leader of the trade delegation which visited Canada earlier in the year) (see C. & D., April 26, p. 462). Sir William was presenting at a conference in Lonwas presenting at a conference in London on July 24 the delegation's report to industry. "In spite of the big developments in the past few years, so far only the surface of the vast potential of this huge eountry—the size of a continent—has been scratehed. Her population is now just over seventeen millions, but there are children in their nurseries today who will live to see Canada's population topping the seventy-five-million mark." Those and other factors made the Canadian market one of the most important, he said, but at the same time one of the most challenging, in the world. One of the problems that confronted British ex-porters going into the Canadian market

was that a whole post-war generation (and a million immigrants of many non-British nationalities) now existed in Canada to whom the old conception (taken for granted by an earlier generation) that British goods were best, meant nothing. One of the things which Britain and British exporters had to do was to carry out a campaign of reeducation, and that was not something which could be done in a hurry. Sir William said the report contained a number of statements and recommendations with which the progressive exporter would already be familiar. "A truism, however, does not become any less true or less important merely because it is repeated." If Britain were to redress her adverse baranee of trade with Canada, the necessity of aggressive salesmanship, comprehensive service, and advertising and sales promotion on an adequate scale, needed to be repeated almost to the point of becoming boring. The report is available from the Dollar Export Council, 21 Tothill Street, London, S.W.1, price 5s.

Agricultural Chemicals

STREPTOMYCIN AND OXYTETRACYCLINE

MANUFACTURERS of streptomycin and oxytetracycline preparations for agricultural and horticultural use are requested to submit information to the Ministry of Agriculture regarding the areas where intensive sprayings are made so that doctors and hospitals can be warned to look out for any signs of untoward effects on operators. signs of untoward effects on operators or others. The Ministry states that the use of those preparations on non-edible erops is aeeeptable. No hazards to consumers should arise if when used as a sumers should arise if when used as a spray on eherries the preparations are not used between petal fall and harvesting and at a rate not in excess of $3\frac{1}{2}$ oz. streptomycin activity and/or $\frac{1}{3}$ oz. oxytetracycline activity per 100 gal. of high volume application. The application of a 1 per cent. of streptomycin emulsion paint on stone-fruit trees after all the fruit has been harvested is not considered hazardous to conted is not considered hazardous to consumers of later erops. The labelling of the preparations is controlled by the Therapeutic Substances (Supply of Streptomycin and Oxytetracycline for Horticultural Purposes) Order (C. & D., May 3, p. 471) but manufacturers are requested to include also the following on labels:

Liquid and water dispersible powder concen-

If the skin is contaminated with the concen-



DISPLAYED DURING DOCTORS' CONFERENCE: To interest medical practitioners attending the annual conference in Birmingham recently of the British Medical Association, Philip Harris, Ltd., wholesale and manufacturing chemists, 144 Edmund Street, Birmingham, 3, put on the display here illustrated of items from their collection of drug jars and antique mortars.

dress to the graduates, Mr. MeIlhagger

trate, wash thoroughly with soap and water.

1 per cent, pigmented emulsion paint (streptomycin):

Wear rubber gloves, rubber boots, face-shield and a mackintosh or overalls with sleeves rolled down and collar fastened when using the paint.

Wash exposed parts of the body before eating, drinking or smoking on completion of the operation.

Cotton Wool

MINISTER'S POINTER TO ACTION

LONDON Executive Council has decided that a chemist broke his terms of service in supplying cotton wool that did not comply with the requirements of the Drug Tariff specification. The cotton wool contained an excessive amount of particles of leaf and shell and was not well bleached to a good white. The Council decided that no further action was necessary. In a letter to the Council about the case, the Minister of Health stated that in considering future similar cases even though a chemist might have bought under warranty "it is open to the Council to warn him or to impose a small withholding as a means of indirectly emphasising the importance of the matter to the manufacturer concerned."

Sclerosis Vaccine

MARKETING "UNFORTUNATE"—B.M.J.

A LETTER to the *British Medical Journal* (July 26) signed by the laboratory chief of the Moscow Institute of Virology and by Dr. G. W. A. Diek (Belfast University Professor of Microbiology), emphasises the need of further research upon the virus used in the Russian "multiple sclerosis vaccine"; "recent experiments have shown," says the letter, "that the S.V. strain in current use is similar to rabies virus." The journal itself, in a leading article, describes the marketing of the vaccine, without reliable evidence of its clinical value, as "unfortunate." The vaccine is, it says, "antigenieally indistinguishable from the rabies virus" and on the basis of earlier investigations, may even be harmful.

Market Research

CONFERENCE ON EUROPEAN SCHEME

AT the invitation of the Board of Trade, the Incorporated Sales Managers' Association is undertaking the work of co-ordinating United Kingdom activities in connection with a projected international conference on market research on a European scale. The European Productivity Agency is organising the conference for spring, 1959. The conference is to be attended by 100 delegates, mostly nominated by trade associations in Western Europe. About ten delegates from Britain are expected to attend. The purpose is to perfect practical means of supplying industry with information for sales forecasting.

Salk Vaccine

EXEMPTED DUTY UNTIL DECEMBER 31

THE Treasury is continuing until the end of 1958 the exemption from import duty of poliomyelitis vaccine, Salk type. An Order which came into operation on August 1 has been published as S.I. 1958, No. 1218.

SCOTTISH NEWS

Drug Tariff

SPECIFIED PACKS FOR PRICING

THE method of payment to Scottish chemist contractors for certain standard drugs and proprietary preparations is being changed from September 1. The items affected and the packs or quantities upon which pricing is to be based after that date are as follows:—

| Standard Drugs | Quantity |
|------------------------------------|-----------|
| Emuls, Paraff, Liq., B.P. | 2 kilos |
| Ext. Glycyrrh. Liq., B.P. | 1 litre |
| Gelat. Aluminii Hydrox., B.P.C. | 1 kilo |
| Mag. Trisilicas, B.P. | 2 kilos |
| Syr. Codein. Phosph., B.P. | 2 litres |
| Tinct. Opii, Camph., B.P. | 1 litre |
| Tabs. acid. ascorbic, B.P. | |
| 50 mgm. | 500 |
| Tabs. dexamphetamin sulph., | |
| B.P. 5 mgm. | 1,000 |
| Capsules ol. hippogloss, B.P. | 500 |
| Proprietary Preparations I | PACK SIZE |
| Amytal Sodium Pulvules GR.3 | 500 |
| Anthisan tablets 0.1 G | 500 |
| Benadryl capsules 50 mgm. | 500 |
| Beplex capsules | 250 |
| Dexedrine tablets | 1,000 |
| Fersolate tablets | 1,000 |
| Gelusil tablets | 500 |
| Multivite tablets | 500 |
| Serpasil tablets 0.25 mgm. | 500 |
| Soneryl tablets GR. $1\frac{1}{2}$ | 500 |
| Aludrox | 80 oz. |
| Benylin expectorant | 80 oz. |
| Metatone | 80 oz. |
| Minadex | 80 oz. |

Should the demand for a proprietary be such that ehemists supply from larger or smaller packs then prescriptions must be endorsed accordingly and payments will be adjusted.

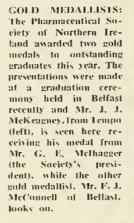
IRISH NEWS

"A High Standard"

PRAISE FOR GRADUATES

SPEAKING at a graduation eeremony of the Pharmaceutical Society of Northern Ireland, held in Belfast, on July 21, Mr. G. E. McIlhagger (the Society's president) said that successful students this year had reached a high standard and it was a pleasure to the Society's Council that two students had qualified for gold medals. In his ad-

said: "Increasingly, pharmacists enjoy the confidence of the medical profession and it is your duty to merit that confidence. You must never discuss a prescription with a patient in such a way as to shake their confidence in a doctor." The present nature of pharmachinal practices was such that its maceutical praetiee was such that its demands might be beyond the eapacity of some. At all times there should be a readiness to assist colleagues with information and advice. With the rapid advance in medical treatment it was important that the graduates should keep up to date. They would find the winter post-graduate lectures arranged by the Society of great benefit. "I would suggest," he said, "that when a pharmacist opens a new pharmacy or takes over an existing one, whether as a proprietor or manager, he is taking on an obligation to give a special and distinctive kind of service, and to diseharge that obligation is the reason for his existence. That obligation is to supply the local population with their requirements. His work is to prevent or relieve suffering. It is essentially a humanitarian task and everything the pharmacist does is conditioned by that faet. He must therefore by temperament and inclination be suited to bear the burden which is the inevitable accompaniment of service to the sick. Willingness, sympathy, tact and patience are required, while firmness must be shown in resisting requests, demands or suggestions, from whatever quarter, that are not consistent with the patient's interests." The president presented certificates of qualification to the following:—Margaret McKee; E. A. Baird; D. Doyle; P. J. Heron; R. Hol-Baird; D. Doyle; P. J. Heron; R. Holden; Kathleen Lagan; M. D. McCann; F. J. McConnell; J. J. McKeagney; R. E. McWilliams; A. Moore; S. Moore, N. C. O'Sullivan; V. E. Reaney; H. C. Reid; N. A. Smyth; P. J. Treanor; J. H. Wallace. Gold medals were presented to Mr. McKeagney and Mr. McConnell. The John A. M. Shaw prize for pharmaeognosy was won by Mr. McConnell. Mr. T. Hunter (chairman, Associates' Section, Ulster Chemists' Association) presented the Section's ists' Association) presented the Section's prizes to Miss Kathleen Lagan (pharmaceutics) and Mr. Francis Hinds (physies). Graduates and their friends were later entertained to tea by the president and the Council.





NEWS IN BRIEF

A REQUEST by G. W. Scaddan & Co., Ltd. (see C. & D., May 10, p. 496), to put up a red or green carboy outside their pharmacy at 4 Peascod Street, Windsor, until such time as traffic lights are installed, has been refused by Berkshire County Council.

ATTEMPTS are being made by the National Chamber of Trade to evolve a scheme acceptable to the Commissioners of Customs and Excise that would allow for the provision of a rebate to traders affected by cuts in purchase tax.

NEW Income Tax Regulations (published as S.I 1958 No. 1166), effective July 31, provide for the extension of the time limit from twenty-one to thirty days for notices of objection to the P.A.Y.E. code determined by the Inspector and for the notices of objection to an assessment.

A NEW series of booklets on industrial safety, health and welfare subjects is being published by the Ministry of Labour and National Service. The first three deal with lifting and carrying; canteens for small factories; and safety devices for hand-and-foot operated presses.

A NEW move in the campaign to secure a reduction in the minimum height of shop window blinds is expected by local authorities. A proposed new Parliamentary Bill is intended to clear up many points of local government law, particularly those dealing with highways, the use of forecourts for trading, and the right of councils to levy a charge for the removal of trade refuse.

THE United Nations have issued a multilingual list of nareotic drugs under international control (price 7s.) which gives the names and synonyms of the narcotics and also the names of many preparations. The structural formulas of chemical substances are also included together with two tables. The first table includes the empirical formulas, molecular weights and the percentage of anhydrous base for each drug, and the various official pharmacopæias. It is available from the Stationery Office.

SPORT

Golf.— LONDON CHEMISTS' GOLFING SOCIETY, at Finchley slub, on July 24. Four competitions took place including one for the Squibb Centennial trophy (a medal competition) presented by E. R. Squibb & Sons, Ltd., to commemorate the company's centennial celebrations and the coincidental Golden Jubilee of the London Chemists' Golfing Society. The winner was H. A. Coward (11), 71. Other results: Johnsons of Hendon prize, G. Penman (10), 31½; Kertoot trophy and prize, D. Spier (14), 5 down; D. & W. Gibbs tankard. A. S. Jerwood (17), 75.

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, CRICKET SECTION V. A. C. NIELSEN CO., LTD., held at Merton College ground, Oxford, on July 20. Nielsen's won by nine wickets only R. Noble (36) batting well for the Birmingham team, who were all out for 74 in 1\frac{1}{3} hours. Nielsen's replied with 77 for 1 in the same time, Hopwood scoring 40 not out and White 27. Birmingham's match with U.C.A.L., at Shirley, Birmingham, on July 27, was drawn. Batting on a soft wicket, U.C.A.L. were all out for 96. Chief scorers were Bliss (21) and Kirk (18). G. Wetton took 4 for 15 and F. Wilcox 4 for 17. Birmingham were prevented from batting by rain.

TOPICAL REFLECTIONS

By Xrayser

A Plea for Manufacturers

A letter (p. 100) containing an eloquent plea for what the writer (Mr. F. F. Marchbank) thinks would be a desirable change in the composition of committees charged with various duties of a pharmaceutical description, instances the Pharmaceutical Standing Advisory Committee as one in need of fresh blood that would obviate the risk of getting out of touch with modern progress. The same infusion, according to your correspondent, would also seem to be desirable in the case of the Cohen Committee, and the committees responsible for such publications as the British Pharmacopæia, the British Pharmaceutical Codex and the British National Formulary. The main substance of Mr. Marchbank's complaint is that there is inadequate representation of manufacturing interests on those committees. Even if one were prepared to concede the point made by your corrrespondent, the difficulties in the way of making appointments appear to be considerable. In so highly a competitive industry as pharmaceutical manufacturing proudly claims to be, competition for vacancies would be intense, and the appointed members would be highly suspect in the eyes of their less fortunate rivals. It seems to me, from my own pharmaceutical experience in recent years, that there is little evidence of a lack of information on the part of the doctors, at least in regard to what Mr. Marchbank calls modern progress." And it also seems to me, from daily use of the recent issue of The Extra Pharmacopæia, that there is no evidence of its compilers being out of touch. An objective approach to the production of any of the publications mentioned by your correspondent is absolutely necessary, and despite the need for a flourishing export trade I cannot think that manufacturers in general have been hampered in the manner Mr. Marchbank seems to imply. The best advice, as he calls it, is freely available to all.

Summer's Zenith

The knowledgeable reporting of the pharmaceutical "Test Match" between Portsmouth and Birmingham (p. 86) was enhanced by the excellent sketches of the C. & D. artist. From the umpire, cloaked in long white coat and infallibility, all have a workmanlike appearance, and your artist has not fallen into the trap which caught out the late Phil May. That master of the pencil once depicted a cricket match in progress with square-leg wearing an enormous pair of wicket-keeping gloves. A well-meaning friend of Phil's quickly sent him a telegram asking why square-leg was wearing gloves. The indomitable Phil May waited until midnight before dispatching the reply, also by wire. It read very simply: "To keep his hands warm, of course." One imagines that the present New Zealand team would have agreed with the considerate artist. I can visualise the scorer's box at the pharmaceutical function. There would be a large tin of tablets and three triangular trays—the first labelled "runs," the second "overs" and the third "wickets." And, of course, Mr. A. H. Moseley would vary the workaday umpire's ready reckoning by counting the number of balls per over with the aid of half-a-dozen Blaud's pills.

Free Drugs

I note that a representative meeting of the British Medical Association has passed a resolution asking that private patients should have the benefit of free drugs (p. 85). That is a concession that has not been enjoyed by the users of the National Health Service for several years now, for Government regulations demand at least a token payment for every item prescribed. That is not the first time that such a proposal has been made, though I cannot recall the B.M.A. having made it before. Successive governments have resolutely dismissed previous suggestions along those lines, principally for the reason that there would not be adequate control of expenditure. But those who have elected to remain outside of the National Health Service must find the cost of many of the newer drugs an intolerable burden. Conditions were different in 1948, and patients must wonder if they can continue the luxury of private treatment.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. E. FLETCHER, on July 15, asked for an amendment to the Finance Bill to ensure that all subscriptions paid by Schedule-E taxpayers to professional bodies and learned societies were free of tax. His amendment was drafted to ensure that local societies should come within the tax exemption, but he was told that, because of administrative difficulties, the Government could not accept the proposal.

Telephone Charges

MR. T. E. WATKINS asked the Postmaster General on July 16 whether he had considered abolishing or reducing the extra charges asked of subscribers living three miles or over from a telephone exchange.

Mr. Kenneth Thompson (Assistant Postmaster General) stated that the charges for such lines did not cover the G.P.O. costs.

Mobile Shops

Mr. D. RENTON stated that he could not give any further information when asked by Mrs. H. Slater, on July 23, if legislation would be introduced to protect retailers who are compelled to observe the Shops Act 1950, while mobile shops are deemed to be excluded. In the House of Lords on the same day, LORD DERWENT asked a similar question. In reply LORD CHESHAM indicated that although no legislation was contemplated the Home Secretary would keep the problem in mind.

Medical Act (Amendment Bill)

The Medical Act 1956 (Amendment Bill) was read a third time and passed by the House of Lords on July 24.

New Chemical Works

MR. G. ROBERTS, on July 24, asked the President of the Board of Trade what was the present position regarding the proposal to establish a chemical works at Glynllifon near Caernarvon. SIR DAVID ECCLES replied that the local planning authority had granted the firm planning permission but there were certain problems concerning water and effluent which still had to be discussed and settled.

Mr. J. K. Vaughan-Morgan (Minister of State, Board of Trade), on July 28, sought the approval of the House for the Orders which reimposed import duties on Siloxanes (see C. & D., July 19, p. 49). He stated that production in Britain on a commercial scale did not begin until 1953, and that there were now two producers. Since 1953 imports from the United States have been steadily reduced, but the U.S. remains a potentially serious competitor to-gether with France and Germany.

Committee on Drug Addiction

Mr. J. RANKIN on July 28, asked the MINISTER OF HEALTH when the Committee on Drug Addiction would begin its examination of preparations containing carbronial or carbronial and bromvaletone. Mr. R. Thompson (Parliamentary Secretary, Ministry of Health), said that it was a matter for the Committee to fit appropriately into its general programme of work.

Cheques Act

Operation of the Cheques Act 1957 was discussed on July 28. Some members pointed out that there was considerable misunderstanding about the giving of receipts. Mr. J. E. S. SIMON (Financial Secretary, Treasury), stated that ever since the Stamp Act was passed there was a binding obligation (except in certain cases) to give a receipt and the failure to give one was an offence.

Prescription Charges

When asked on July 29 about charges for prescriptions of more than one item, especially for chronic patients, MR. DEREK WALKER-SMITH said that hardship could be avoided not only through the arrangements for refunds through the arrangements for refunds made by the National Assistance Board to persons in need on National Assistance standards, but also by the pre-scribing in suitable chronic cases of quantities sufficient to last for a reasonably long period.

LIFE PEERS FROM THE DRUG INDUSTRY

Company directors contribute to House of Lords "reform"

WHEN the names of the first life peers to be created under the Life Peerages Act were announced on July 24, the list was found to include Sir Ian Fraser

and Mr. C. F. Noel-Paton.

SIR IAN FRASER, C.H., C.B.E.,
M.P., is a director of Aspro-Nicholas,
Ltd., Slough, and other companies. As a politician he has represented Morecambe and Lonsdale division in the House of Commons since 1950. Before that date he had been M.P. for North St. Pancras, 1924–29 and 1931–36; and for the former Lonsdale division of Lancaster, 1940-50. Blinded on the Somme while a subaltern in 1916, Sir Ian has identified himself closely with the welfare of the blind, and in 1921 became chairman and executive director of St. Dunstan's. He is the author of "Whereas I Was Blind" (published 1942). In 1922 he was made a Commander of the Order of the British Empire and received his knighthood in 1934. He was president of the Broadcasting Committee of Inquiry, 1925-26, was a governor of the British Broadcasting Company, 1937-39 and 1941-46, and was the national chairman of the British Legion, 1947-1958. He has been British delegate at ex-Service conferences in the United Kingdom, the Dominions and European capitals.

MR. VICTOR F. NOEL-PATON has been chairman of T. & H. Smith, Ltd., Edinburgh, since 1951. Born in Edinburgh in 1900 of a well-known Edinburgh family (his grandfather was Queen's Limner for Scotland), he was educated at the Edinburgh Academy. After a short period in the Royal Engineers in 1918-19, he joined the establishment of a prominent East India merchant and went to India in 1920. There he spent thirty-one years, mainly in Bombay, gravitating towards the in-dustrial side of the business. He took a full part in the life of the country and of the British community and was a member of the Indian Army Reserve of Officers. Among other public offices he held were trustee, Bombay Port Trust; president, Bombay Chamber of Commerce, a member, Bombay Legislative Council; and an Elder of the Scots Kirk. In 1932 he married the daughter of Sir Gilbert and Lady Wiles, and has one son and three daughters. Mr. Noel-Paton retired from India in 1951, and in that year both joined the board and became chairman of the T. & H. Smith, Ltd., group of com-



Sir Ian Fraser



panies. He is a director of the Edinburgh Chamber of Commerce and a member of the Executive Committee of the Lanark constituency Unionist Association. He has recently taken a prominent part in the affairs of the Church of Scotland.

PERSONALITIES

MR. ARNOLD S. WILD, M.P.S., Rochdale, has been elected a member of the Royal Society of Health.

MR. J. S. SKINNER (chairman and managing director, Remington Rand, Ltd.), was recently awarded a fellowship of the Incorporated Sales Managers' Association. A member since 1946, Mr. Skinner was recommended for the award of fellowship by the London branch of the Association "in recognition of services to the Association and Sales Management in industry.

MR. W. HERMAN KENT, who recently retired from the secretaryship of the Grocers' Federation and other organisations, was also an active member of the Fair Prices Defence Committee. That body, on which are represented, it may be recalled, organisations in the grocery, tobacco, stationery, pharma-ceutical and other trades, was formed in 1949 following the publication of the Lloyd Jacob report on resale price maintenance. Over the years, and up to the time of the Restrictive Trade Practice. tices Act, 1956, the Committee played an important part in educating ministerial, parliamentary and public opinion on the importance of preserving, in the interests of the trades it represents and the consumer, an effective system of price maintenance. As a member of the Committee, representing the Federation and the Grocery

Proprietary Articles Council, and as its honorary treasurer, Mr. Kent played a prominent and valuable part in the Committee's work. On his retirement the chairman (Mr. H. E. Chapman, M.P.S.) writing on behalf of members, conveyed to Mr. Kent their good wishes and thanks for all the work he had done "to protect and promote the objects which led to the Committee's formation." Each member made a personal and uniform contribution to a set of book tokens proffered to Mr. Kent as a gesture of the "affection, appreciation and goodwill of his colleagues."

COMPANY NEWS

Last year's figures in parentheses

WOOLCOMBERS, LTD. (Westbrook Lanolin Co., Ltd., is a subsidiary).—An interim Ordinary dividend of 5 per cent. (same) in respect of the year ending December 31 is declared.

GILLETTE CO. (U.S.).—Consolidated net income for the six months ended June 30 was \$12,274,611 (against \$13,008,359 for the corresponding period last year). Amount earned a share of common stock, \$1.32 (\$1.40).

HICKSON & WELCH (HOLD-INGS), LTD.—It is proposed to make a scrip issue of three shares for every seven held. The directors said that it must not be assumed that the final dividend will necessarily be increased. Group profits to date are similar to those for the corresponding period of last year.

HODDERS, LTD.—Group trading profit for year to March 31, is £179,123 (£136,890). Taxed net profit, £72,173 (£54,028), and dividend 45 per cent, (42½ per cent., including 5 per cent. special bonus from non-recurring credit), as announced (C, & D., July 5, p. 7), with 100 per cent. scrip issue. Forward £75,519 (£62,273).

PHILIP HARRIS LTD.—Trading profit for year to March 31, £116,838 (£57,652). After depreciation £4,901 (£3,639), tax £53,319 (£23,741), etc., net profit is £41,270 (£20,016), plus rates over-provision £1,771 (nil). Interim Ordinary dividend eightpence per £1 share £1,533 (same), and final 1s. 10d. per share £4,217 (£3,067). To reserve £30,000 (£10,000).

SANDOZ, LTD., Basle, Switzerland. —The following is taken from the report presented by the board of directors at the annual meeting recently:-In 1957 the world turnover of the company amounted to Sw. Frs. 488 millions, the highest figure ever reached. As a result of price pressure which affected the divisions in varied degrees, the turnover in terms of volume increased to a greater extent than the sales figures. During the last ten years the company's turnover has shown a constant and steady increase and in 1957 that increase was 10.4 per cent. (against 8.5 per cent. in 1956). The shares of the three divisions in the total turnover were approximately the same as in the previous year; pharmaceuticals, 417 per cent.; dyestuffs, 388 per cent.; and chemicals, 196 per cent. The volume of orders for pharmaceuticals remained large throughout the year and

great efforts had to be made to keep production abreast of demand. Sales of pharmaceuticals were valued at Sw. Frs. 203 millions showing an increase of Sw. Frs. 25.5 millions or 14.3 per cent. over 1956, The company's continued development is based upon activity of its research department and expenditure in that field at Sw. Frs. 22.6 millions showed a considerable increase over the previous year. Trading with countries in the Common Market and proposed Free Trade Area amounted to 47 per cent. of the company's total turnover. Accounts for 1957 show a net profit of Sw. Frs. 16.6 millions, an increase of Sw. Frs. 208,522. Gross profit totalled Sw. Frs. 52.07 millions, an increase of Sw. Frs. 52.07 millions, an increase of Sw. Frs. 561,803.

BUSINESS CHANGES

DESIGN RESEARCH UNIT has removed to 37 Duke Street, London, W.1 (telephone: Hunter 1681).

Appointments

SCOTT & BOWNE, LTD., 50 Upper Brook Street, London, W.1, have appointed Mr. J. N. H. Carrington assistant to the sales director.

NEWTON CHAMBERS & CO., LTD., Thorncliffe, Sheffield, have appointed Mr. George West export manager of their chemicals division.

MANUFACTURERS' ACTIVITIES

Overseas Business Discussed.—The overseas activities of Boots Pure Drug Co., Ltd., were discussed when representatives from Australia, New Zealand, Southern Rhodesia, Singapore and Pakistan visited the company's head office at Nottingham recently. There was an exchange of views with executives of the International Division and senior headquarters staff.

Decentralisation.—At the summer sales conference on July 11 of the British Patent Perforated Paper Co., Ltd., the managing director (Mr. E. H. Nankivell) described arrangements "now well under way" for further improvements in the dispatch of the company's products to the trade in the provinces. Depôts had been opened in Stockport, Edinburgh and Glasgow, and more depôts were planned. Mr. Nankivell reported a substantial increase in sales of Bronco toilet tissues over the figures for the previous year.

A Heating Centre. — The Hurseal Heating Group have opened a permanent "heating centre" and exhibition of heating and appliances at 229 Regent Street, London, W.1. Technical problems on heating from either architects, heating engineers or any shopowner wishing to instal new heating systems are welcomed. Additionally any member of the public may seek advice at the centre on heating, draught-proofing and insulation—and in no case is there any obligation. At the official opening on July 23, the Hurseal Group introduced a new, Danish-designed convector heater, and demonstrated foreign heating methods which the Group are considering introducing in Britain.

GOLDEN WEDDING

LAWSON — CLOKIE. — At Castleford Congregational Church, Yorks, on July 29, 1908, John Lawson, F.P.S., to Faith Winifred Clokie. Present address: 65 Trevor Road, West Bridgford, Nottingham. Mr. Lawson, after



completing a four-year apprenticeship Edwin Yewdall, Leeds, in k a "living-in" post for with Mr. 1894, took a post twelve months in London as a chemist's assistant. In 1899 he became a student at the Pharmaceutical Society's School of Pharmacy, Bloomsbury Square, qualifying as a chemist and druggist in 1900. He was awarded the School's bronze medal for materia medica. In 1901 he qualified as a pharmaceutical chemist and was awarded the School's silver medals for botany and practical chemistry, and also in the same year received the Pereira medal. In 1905, Mr. Lawson was appointed general manager and chemist of Daisy, Ltd.. Leeds (manufacturers of Daisy headache remedies), and in 1912 was elected a member of the Proprietary Medicine Manufacturers' Committee. Mr. Lawson joined Boots Pure Drug Co., Ltd., in 1915, retiring in 1943 when he was buyer and sales manager of the proprietaries department. A member of West Bridgford urban district council, 1930–1947, Mr. Lawson was elected chairman in 39. A member of the Methodist Church all his life he was awarded the long-service diploma of the National Sun-day School Union in 1946 for more than fifty years' service as a teacher and superintendent. Mr. Lawson celebrates his eightieth birthday in September.

DEATHS

SWANN. — In Roose hospital, Barrow-in-Furness, Lancs, recently, Mr. William Benjamin Swann, M.P.S., aged eighty-one. Mr. Swann started in business in Barrow about fifty-five years ago. His premises were in Duke Street and Anson Street, but the Anson Street shop was destroyed during the air raids of the 1939-45 war. After that war he started The Pharmacy at Broughton-in-Furness and he and his wife moved there. Mr. Swann intended to do locum work in the Barrow area next month, and had come to Barrow to visit friends and settle affairs related to the sale of his Broughton business when he was taken ill. He was a Freemason of long standing and had held Lodge and Provincial office.

WRIGHT.—On July 11, Mr. Charles Henry Wright, M.P.S., 357 Woodchurch Road, Prenton, Birkenhead, Cheshire. Mr. Wright qualified in 1905.

WORK STUDY IN THE PHARMACY

South-easterners want N.P.U. to act

AFTER hearing a talk on work study AFTER hearing a talk on work study and its application to retail trade by Mr. G. H. Simmons (British Productivity Council) and seeing the Council's film "A Nation of Shopkeepers," the fifty-four members of the Federation of South-eastern Pharmacists at their Summer meeting at Lewes on their Summer meeting at Lewes on July 3 unanimously passed a resolution to be sent to the National Pharmaceutical Union. The resolution requested the N.P.U. executive to investigate the application of work-study principles to retail pharmacy with the object of making available to N.P.U. members

the resulting advantages. In his talk, Mr. SIMMONS said that, of all forms of commercial and industrial activity, retailing was one of the most important. There were well over 550,000 establishments in the country, employing more than two million people. He spoke of wasted action in-volved in obtaining items for customers, pointing out that "walking adds nothing to the value of the goods or services." . . . "What of our other resources?" he went on. "To man-power we must add machines, materials and space, and I submit we are equally prodigal in our use of those. In shops . I marvel at the amount of space taken up by windows, and the amount of time taken by human beings dressing them. I have been led to believe you have to show what you have to sell: however, the large multiple can perhaps afford to have staff with special skills, but can the one-unit re-

tailer spare an assistants' time?"

The goal in all industrial activities was to raise productivity, and that meant obtaining the best use from a unit of man-power, a unit of space, and so on. It did not necessarily involve a large capital expenditure. There were about 370,000 "little shops round the eorner" out of a total of over 550,000 with retail sales of £2,370 millions out of a total of just under £5,000 millions. The private shop-keeper had no reason to fear his "big brother "provided his business was run efficiently. One universal tool that could be employed was work study.

Work Study Methods

"Work study embraces the twin techniques of method study and work measurement used to determine a better way of doing work." Method study must be used first—the systematic analysis of existing or proposed methods and the development of improvements through searching examination. Work measurement provided management with the basis for control -stock control, cost control, planning, manning and others—through the establishment of the proper time to be allowed for a specified task. As might be expected method study was logical and practical in its approach and relatively simple. It relied on basic procedures that were positive and followed naturally one with another. The first thing to do was to select the job to be studied, a task guided by the nature of the problem—economic, technical or human. "Your economic problem may be a question of value of stock, or whether you can afford to modernise old buildings or that the value of your turnover is falling." A technical problem might involve a decision as to machine accounting of bills and involves the year of problem research in voices, the use of market research in deciding the choice of merchandise, the technique of self-selection, self-service, display. The human problems lay in difficulties in reducing labour turnover and making retailing interesting so that staff were retained and others encouraged to enrol.

The activity was recorded and translated into the written word or picture. The paths of movements of men, materials, or machines could be charted on a scale drawing of workplace, shop or warehouse. The three-dimensional model gave something solid to examine -which was the third basic procedure. That examination was made by asking certain fundamental questions: What is the purpose of the activity; where is it done and when; who does it; how is it done? and, most pertinently, why?

The information was used to develop a new method and all circumstances must be considered: layout, design, working procedures, material usage. An interim method may be developed which should be again recorded and examined until the trader was satisfied he had the best method in the prevailing circumstances. Finally the new method must be installed and maintained.

Those last two procedures were by no means simple, and the success of

all initiating procedures could break down if the utmost care was not exerted. "You are now dealing, more than you had ever done during the whole course of the exercise, with people and they have all to be taken into your confidence and won over."

The techniques of work study, method study and work measurement were complementary. Method study could make the most positive contribution towards obtaining the best use from what was available. Work measurement would provide a yardstick for management. It employed procedures similar to those of method study but different means, matching the activity that was

being examined.

"What is the net gain through employing work study?" asked Mr. Simmons.

"First: through method study, a rationalisation of work—a job specification, as it were, defining the activity, the person, the means, the purpose, so that man-power is not only effectively employed from the employer's view point but is also contributing some-thing useful that gives personal satisfaction. There is a positive incentive for those entering the field - easier work and greater satisfaction for the qualified. Secondly, because work study simplifies, a wider labour pool is opened up; perhaps too many of our shops employ too many men whereas women could be more effectively used. Thirdly, work study helps the manager to maintain an efficient level of activity by giving him a control through realistic costs, a control of stock, a control of labour by labour analysis. Finally. many people still prefer the shop around the corner."

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Full Pricing

SIR,—It appears that "Timekeeper" (C. & D., July 26, p. 100) is keeping time five or six years too late. The Central N.H.S. Committee has never been in favour of any other than full been in favour of any other than full pricing. It has formed the spearhead of attack and initiated the action of all the other bodies and so continues strong in conviction.

H. HOLMES, Torquay, Devon

SIR.—I am glad to be able to assure your correspondent "Timekeeper" that the Central N.H.S. Committee is concerning itself closely in the efforts to secure a return to full pricing—as. indeed, it has done consistently for many years past. The latest development is that the Minister of Health has agreed to receive, in the near future, a deputation from the Committee on this important matter.

H. NOBLE, Central N.H.S. (Chemist Contractors) Committee

The Lost Art

SIR.—Some of us "old pharmacists" would be most interested to have a sight of the "many old and tried formulas" referred to by "Adjuvant" (C. & D., July 26. p. 100), as still being in use in Poland and certain Western European countries. Regarding the

latter, "Adjuvant" may perhaps be referring to pre-war days as the latest information available indicates that whereas prescriptions for proprietary drugs in Britain are 43 per cent. of the total, the figures for France and Italy are 80 and 90 per cent. respectively. He may also be interested to know that the expenditure per head of population on prescribed drugs in Great Britain is 13s. 8d. per year. By contrast in Germany it is 26s. 1d. and in Italy 47s. 5d. per head. Perhaps he would provide us with translations of the Polish formulas to which he alludes!

A. CHAMINGS, B.Pharm., F.P.S.. CIBA LABORATORIES, LTD., Horsham

Appreciated

I TAKE the opportunity of expressing my appreciation of your publication and at the same time tender my gratitude for all the assistance I have received, not only from the C. & D., but also from the Year Book and your information service.—N.T.

I hasten to send my subscription for my C. & D., and to thank you for the many happy and instructive hours I spend reading it each week. I often wonder how you manage to keep the subscription so low-it is wonderful value. The subject matter is always so well arranged.—M.R.W.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Quarterly meeting of council discusses stamp trading

AT a meeting of the council of the Proprietary Articles Trade Association held in London on July 10, Mr. H. G. Moss (president) was in the chair. The council learned with regret of the death of Mr. S. A. Jones, who had represented Smith & Sons (Norwich), Ltd., on the wholesale section of the council since 1953. On behalf of all members, Mr. L. D. Smith expressed to the president the council's sympathy with him and his family on the death of his father (Mr. E. Moss, chairman and founder of E. Moss, Ltd. (see C. & D., July 12, p. 30)). The president said he deeply appreciated Mr. Smith's remarks.

The Secretary reported that, since the previous meeting of the council, the publications committee had considered all recommendations regarding the *P.A.T.A. List* for 1958–59 made at section meetings. The executive committee had endorsed the recommendations of the committee and they would be embodied in the new *List* which it was hoped would be ready for distri-

bution in September.

The council received a report on price maintenance in which it was stated that during the first half of 1958 the Association had been active in assisting manufacturer members who had individually requested and authorised it to act on their behalf in pricemaintenance matters. In that period a large number of letters had been sent to price-cutters in respect of the goods the manufacturer concerned. result, a number of traders had given assurances regarding future observance of price conditions. Many calls and test purchases had been made on be-half of those manufacturers and, in addition to the Metropolitan area, many provincial centres had been visited by purchasing and investigating representatives. The council also received reports of court cases relating to enforcement of price maintenance conditions and noted with particular interest the recent judgment of the Court of Appeal in the case of the Goodyear Tyre and Rubber Co. (Gt. Britain), Ltd. v. Lancashire Batteries, Ltd. (see C. & D., July 12, p. 37).

In reply to an inquiry from a member of the manufacturers' section who might be involved in legal proceedings relating to "matters of common interest to members," the council authorised financial assistance to be given should

it be required.

Trading Stamp Schemes

The council was informed that reports of trading stamp schemes had recently been received and that some retail members had been participating in them. So far as the distribution-of trading stamps with sales of P.A.T.A. goods was concerned, the council noted that a considerable number of manufacturers included in their resale price conditions a provision that no dividend, discount or gift might be allowed off the retail prices. Where a manufacturer who imposed such a condition requested the Association to do so, the attention of any retailer concerned was

drawn to the fact that the distribution of trading stamps with the sale of that manufacturers' goods was regarded as a breach of his resale price conditions.

The council noted that, though in contain respects expresses during the

The council noted that, though in certain respects expenses during the first half of the year had necessarily been heavy, increased revenue from subscriptions was reflected in the more satisfactory condition of the accounts. It was agreed that the next meeting

It was agreed that the next meeting of the sections and the council should be held on October 9.

Council Luncheon

At a luncheon preceding the meeting. THE PRESIDENT welcomed as guests Messrs. S. W. Day (Boots Pure Drug Co., Ltd., and a vice-chairman, Proprietary Association of Great Britain), P. D. J. Spaanderman (a past president of the National Pharmaceutical Union and Chemists Federation). O. H. Waller (Editor, THE CHEMIST AND DRUGGIST) and Gordon Harvey (a director, E. Moss. Ltd.). The PRESIDENT said the support by the board of the company which Mr. Day represented of the principles for which the PATA street ciples for which the P.A.T.A. stood and his personal support, shown in no uncertain manner, were deeply appreciated. The Council had hoped to have Mr. Spaanderman as their guest during his year of office as chairman of the National Pharmaceutical Union. For various reasons that had been impracticable, but his welcome was no less warm than it would have been a year or more ago. Mr. Waller was also a respected friend, and the Council appreciated the help and the publicity which he, through his important journal, had consistently rendered to the Association and its members. Mr. Moss also expressed his pleasure at the presence of his co-director (Mr. Gordon Harvey) with whom he had been associated in his company's business for more than

twenty years.

MR. Day expressed his thanks for the president's comments. He said that the public's bargaining instinct was so strong that price maintenance could not become a popular cause but it also appeared to be thought in some quarters that an additional commandment should be added to the decalogue: Thou shalt not make any profit." He thought that it was fairly characteristic of his own company, as of pharmacists in general, that they provided an essential service to the community. Retail pharmacists should emphasise that fact, first to themselves, secondly to the proprietors whose products they distributed, and thirdly to the public. Surely pharmacists were entitled to draw a living from that service! Over the past few years the percentage of turnover represented by proprietaries had increased considerably, and it seemed that that trend was bound to be accentuated. In the past, price-cutters had been able fairly easily to sell "own-name" or unnamed goods at high prices and fat profits. If price cutting were to return on any wide scale in the pharmaceutical industry it would be much more diffi-cult to sell "own-name" or unbranded

goods at high profits. Through advertising, the pharmacist was made to stock many proprietary lines, and he thought that manufacturers had a deep obligation to the pharmacist to see that the latter's margin of profit, which was only a reasonable one, was protected. There had recently been widespread price cutting of a new proprietary on the very first day of its launching. If pharmacists could not count on a measure of protection from manufacturers, how could they be expected to give support to the marketing of their proprietaries? He hoped that membership of the P.A.T.A. by manufacturers would be maintained and extended.

Appreciation of the Council's hospitality and tributes to the value of the Association's work were also expressed

by the other guests.

SHOPFITTING NOTES

Metal Cabinets Made Dust-free. — Metal cabinets, an almost indispensable part of the modern surgery and pharmaceutical department equipment, present a dust problem that is solved by



the use of stick-a-seal self-adhesive plastic foam strip. The strip, applied to doors and frames of the cabinets, makes them practically dust-proof. It has the additional advantage of preventing the clanging of metal doors when opened or closed. The makers are Sealdraught, Ltd., Chandos House, Buckingham Gate, London, S.W.1.

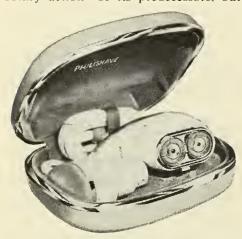
Indelible Marking by Ball-point. — The permanent marking of almost any surface or material—paper, card, wood, metals, glass, plastics, textiles, ceramics or leather is claimed possible by the Tri Chem ball-point colour tube. A special type of paint, contained in an orthodox metal tube, is applied direct on to the surface through a springloaded ball-point nozzle. On absorbent surfaces, the paint dries almost immediately and on hard shiny surfaces in only a few seconds. The paint withstands considerable extremes of temperature and many acids and alkalis, and is unaffected by weather, moisture or grease. Tri Chem is distributed by Cepea Developments, Ltd., St. James's Buildings, Oxford Street, Manchester, I, and is available in fifteen colours in two sizes.

NEW PRODUCTS AND PACKS

Dyspepsia Tablets in Bulk. — Magnesium trisilicate and aluminium hydroxide are the active ingredients of Jackson's heart-shaped dyspepsia tablets supplied in bulk by Ernest Jackson & Co., Ltd., Crediton, Devon. A supply of empty cartons (each carton holds about $1\frac{1}{4}$ oz.) is provided by the makers. A jar label is included with every order and a showcard on request.

Suntan Cream and Foundation.— Simosol. described as "a perfect suntan cream" by the makers Creme Simon (Distributors). Ltd., 31A Bedford Street, London, W.C.2, is supplied in tubes each packed in polythene bag and carton. A further Simon product and carton. A further Simon product-Simofluid—is a liquid foundation in the four shades printemps, petale, hale, and santal; all are packed in polythene bottles.

"Jet" Model of Shaver. - A new model joins the Philips range of elcctric dry shavers on August 1: the Philishave Jet (type 7910). It embodies all the well-known features—including rotary action-of its predecessors, but



has also a number of new ones. For example, its shaving head has 240 additional apertures to trap the beard and in that way the shaving area is increased by 40 per cent. The rotating blades are claimed to shave even closer than in earlier models and an improved motor performance results in quieter running and a big reduction in shaving time. Day-to-day cleaning is made quicker and simpler by a hinged shaving head that springs back at the touch of a button, the removed hair being easily blown out of the enlarged

hair chamber. A brush is provided for тоге thorough weekly cleaning. Streamlined styling, well shown in the picture, allows the Philishave Jet to fit snugly into the hand. The housing is in two tones and the shaving head, when not in use, is protected by a transparent nylon cap. The shaver operates on two voltage ranges (ac/dc 110-130 volts and 200-250 volts), and the changeover is effected by a slide switch in the mains plug. A bayonettype adaptor plug is supplied. shaver goes out encased in a handsome

TRADE NOTES

Small Pack Discontinued.—Allied Laboratories. Ltd., 140 Park Lane, London, W.1, state that from September 1 the 15-gm. packing of Locan cream will be discontinued. The cream will then be issued in tube of 30 gm. only.

Butazolidin for Hospitals.—Special hospital prices came into operation for all Butazolidin preparations supplied direct to hospitals from the Geigy Pharmaceutical Co. Ltd., Wythenshawe, Manchester, 23. Full details of the prices can be had from the company.

Readjustment of Discount. - Price changes for certain dermatological products of Genatosan, Ltd., Lough-borough, Leics, are announced (see p. 132). The object of the modifications in the retail selling prices, state the company, is to increase the retail chemist's profit margin. There is no alteration in the trade prices.

Personal Weigher Feature.—A plain black-ribbed rubber platform is now a standard fitting on the Salter Mayfair personal weighing machine. The new platform provides a more secure nonslip foothold, and affords a pleasing contrast with the colour of the scale's central motif, dial surround, and base. Colour schemes of the Mayfair now include a number of attractive pastel shades in addition to white.

Distribution of Lister Biologicals .-From August 5, Macarthys (Wholesale Chemists), Ltd., Macrom House, Seymer Road, Romford, Essex, are to distribute the biological products of the Lister Institute of Preventive Medicine. The company will, therefore, be distributing Lister vaccine lymph from that date to retail pharmacies but not to

hospitals and public authorities who should continue to draw their supplies of lymph from the Lister Institute. Allen & Hanburys, Ltd., Bethnal Green, London, E.2, cease to be distributors of Lister products from August 5.

presentation case of pale grey and gold, lined with red velvet. Information about the marketing of the new shaver

has been mailed to nearly 50,000 Phili-

shave stockists in the United Kingdom. A comprehensive "campaign book,"

giving full details of advertising plans,

has also been prepared and is being

distributed throughout the trade, com-

mencing August 1. Publicity items available include a leaflet, price card, window streamer, 15 x 12 x 7-in. display stand in four colours, and a strutted showcard 11 x 8\frac{1}{4} in. in five colours. The manufacturers are Philips

Electrical, Ltd., Century House, Shaftesbury Avenue, London, W.C.2.

Holiday Arrangements.—THE BRITISH DRUG HOUSES, LTD., Graham Street, City Road, London, N.1, are operating their usual delivery service in the inner London area on August 2 and the offices will be open on that morning for receipt of orders.—PFIZER, LTD., 137 Sandgate Road, Folkestone, Kent, will despatch all orders as usual on August 2 but not on August 4.

Lower Prices. — The Distillers Co. (Biochemicals), Ltd., The Broadway, London, S.W.19, announce reduced prices for their packs of Distaquaine V sulpha tablets effective from August 11. Applications from retail chemists for credit on stocks held at closing time on August 8 should be sent direct to the makers and not to wholesalers or other distributors. The claims should specify pack sizes and batch numbers. The new prices are given on p. 132.

Electronic Equipment for Industry. To mark their appointment as the United Kingdom distributors of the Beckman Berkeley and Berkeley Helipot, Richmond, California, U.S.A., electronic equipment for industry, Winston Electronics, Ltd., Shepperton, Middle-sex, held a series of demonstrations recently at their works. The full Beckman-Berkeley range consists of over 200 different types of electronic equipment or components, including Beckment or components, including Beck-man Helipot potentiometers, now about to be manufactured in Britain for the first time. Messrs. Winston have arranged with A. Gallenkamp & Co., Ltd., Sun Street, London, E.C.2, to take over the sole agency for the Beckman range of process control in-struments struments.

For Blight Control.—Introduced to the British farmer two seasons ago, Dithane is claimed by the manufacturers, Pan Britannica Industries, Ltd., Waltham Abbey, Essex, to be extremely successful as a preventative of blight, rusts and downy mildews on a wide variety of crops. Two seasons ago Dithane was introduced to the British farmer for potato blight control and whilst it is equally as good as copper compounds in controlling blight Dithane does not cause any check to the growth of the potato haulm with resulting loss in yield, as does copper, the makers





A NEW AND AN IMPROVED PACKS: Left: The carlon and dropper bottle in which Codelsol with neomycin (see C. & D., July 12, p. 32) is issued by the manufacturers: Merck Sharp & Dohme, Ltd., Above: New pack replacing carlon for Tetrazels.

say. Supplies of the chemical have now been made available for the amateur gardener, packed in small carton sufficient to make 10 gall, of spray.

Solvent With Unusual Properties .-Dimethyl sulphoxide, a high-boiling point solvent with a number of unusual physical and solvent characteristics is recommended for consideration where dimethyl formamide acetone or ethyl glycol are now used, say the makers, Nitroglycerin Aktiebolaget, Sweden. A booklet serving as an introduction to the material and indicating its properties is available from the sole agents for the United Kingdom, Guest Industrials, Ltd., 81 Gracechurch Street, London, E.C.3.

Digitalis Leaf of Uniform Quality.-The successful marketing of (among other drugs) cultivated *Digitalis purpurea* leaf by V.N.K. Oostendorp, Holland, is ascribed by the company to the efficiency of the Dutch grower, who has acquired a world reputation for growing special crops and plants; to the care that is bestowed on a proper cultivation of the digitalis plants; to correct harvesting and drying; and to research in the field of selective growing of new varieties carried out in cooperation with the Universities of

Wageningen and Groningen. As a result of that research V.N.K. are now growing the F and C varieties which, in as far as potency and digitoxin content are concerned, can compare very favourably with the wild foxglove. For instance, the F variety has an average digitoxin content of some 0.101 per cent. against an overall glucoside content of 0.190 per cent. Both varieties meet the standards laid down in the B.P. and can be supplied either coarsely cut, or in coarse- or fine-grained powder. Agents for V.N.K. in the United Kingdom are F.A.B. Pro-duce, Ltd., 87 Regent Street, London,

Christmas Showrooms.—Morny, Ltd., 22 Wadsworth Road, Perivale, Middlesex, announce the following Christmas Showrooms of their goods: August 25–29: Southampton, Polygon Hotel; August 25–29: Bristol, Royal Hotel; August 25–29: Liverpool, The Adelphi Hotel; August 25–28: Hull, Imperial Hotel; September 1–11: LEEDS, Great Northern Hotel; September 2–5: CROYDON, Kings Arms Hotel; September 3–4, September 9–11: LONDON, Morny House 201 Resent Street, September House 201 Resent Street, September 11: LONDON House 201 Resent Street, September 12: LONDON House 201 Resent Street, September 13-4, September 14: LONDON House 201 Resent Street, September 15: London House 201 Resent Street, September 201 Morny House, 201 Regent Street; September 8-12: GLASGOW, St. Enoch's Hotel; September 15-19: CARDIFF, Queen's Hotel; September 8-12: Not-

TINGHAM, County Hotel; September 8-12: Manchester, Midland Hotel; September 8-12: Birmingham, Grand Hotel; September 15-18: NEWCASTLE-ON-TYNE, Royal Turks Head; September 22-26: Brighton, Hotel Metropole; September 23–25: BOURNEMOUTH, Imperial Hotel; September 22–25: EDINBURGH, North British Hotel.—
Scott & Bowne, Ltd., 50 Upper Brooks Street, London, W.1, are also showing in the Provincial cities as follows: in the Provincial citics as follows: LIVERPOOL, Adelphi Hotel, August 25— 29. HANLEY, Grand Hotel, September 2-4. LEEDS, Queens Hotel, September 1-5. GLASGOW, St. Enoch Hotel, September 1-5. BELFAST, Kensington Hotel, September 1-5. MANCHESTER, Midland Hetel, September 2-12. Manchester, Midland Hotel, September 8–12. New-CASTLE-ON-TYNE, Turks Head Hotel, September 8–12. BIRMINGHAM, Grand Hotel, September 15–19. Nottingham, County Hotel, September 15–19.

Zoology Congress Exhibition. — Edward Gurr, Ltd., 42 Upper Richmond Road West, London, S.W.14, exhibited a range of their Michrome stains and reagents, histochemical reagents, and books by the company's managing director (Mr. Edward Gurr) at the Eifteenth International Congress at the Fifteenth International Congress of Zoology (Darwin-Wallace Centenary) held at South Kensington recently.

SOUTH-WEST LONDON HOSPITAL PHARMACISTS

Continued success of joint contracting scheme

THE total value of contracts to be placed in 1958-59 under the joint contracting scheme of the South-west Metropolitan Hospital Pharmacist's Committee is expected to exceed £250,000—a five-fold increase compared with the first year of the scheme. It was stated in the Committee's report to a meeting of hospital pharmacists of the region, held in London recently. Representatives of the Birmingham and Midland Hospitals Pharmacy Committee and of the North-east Metropolitan Region Hospital Pharmacists' Committee also attended.

Mr. W. S. BENJAMIN (secretary) presenting the Committee's report on drug contracts for 1958-59, said that the joint contracting scheme for pharmaceutical supplies was entering its fifth year. There were now forty-nine hos-

pital groups participating.

The Committee had considered nineteen of fifty suggested items suitable for addition to the list of contract items. Most of the suggestions had been added to the contracts making a total of 235 items or groups of items. compared with 219 a year ago.

Adjudication of Contracts

Eighty-two firms had submitted quotations and forty-four had been recommended as contractors. It was decided not to recommend for acceptance tenders from firms refusing to abide by the Committee's conditions of contract, because all tenders should be on a uni-For that reason contracts would not be placed with three of the present contractors who had refused to comply with the condition that all goods under the contracts should be delivered free of carriage charges. The

Committee had continued its visits of

inspection of manufacturers' premises.

The trend of "traditional" firms to put in keener prices had again been continued; and as on the past two occasions more than half the items would be placed with them. Although the prices certain drugs would be less favourable that increase would probably be offset by instances where the prices would be reduced and by the addition of the new items to the schedule. The picture was still satisfactory, particularly in view of the general tendency for the prices of galenicals and bulk chemicals to rise. It was estimated that the total value of the contracts during the coming year would exceed £250,000, a fivefold increase as compared with the first year of the scheme.

Use of Antiseptics

There had been a meeting with the Regional Pathologists' Committee about the use of antiseptics in hospitals. Preliminary recommendations had been made and would be studied by the two committees and there would be a further meeting. Information on hospital pharmaceutical departments in the region obtained in 1954-55 had been brought up to date and a report was being prepared. An approach had been made, first to the British Pharmacopeia Commission and later to the scientific publications department of the Pharmaceutical Society with a view to the publication of B.P. Approved Names in "reverse order," so as to facilitate reference to proprietary names. A reply had been received stating that that was a matter that could ing that that was a matter that could be dealt with and a note to that effect would be passed to the Society's Coun-

The Committee's assistance had been invited on the subject of matters likely to be useful to hospital pharmacists in a forthcoming edition of the *Pharmaceutical Pocket Book*, and a discussion was being arranged with Dr. K. R. Capper.
The report of the Committee was

unanimously adopted.

Control of Dangerous Drugs

The evening session was devoted to consideration of the report of the Central Health Services Council Joint Subcommittee on the Control of Dangerous Drugs and Poisons in Hospitals (C. & D., February 22, p. 198). Mr. E. A. Cross (chairman) welcomed Mr. W. Trillwood, F.P.S., a member of the Joint subcommittee, who opened a discussion on the Report.

In his opening statement and the ensuing discussion, he said that the Joint subcommittee consisted of three doctors, three nurses, two hospital administrators and three pharmacists. Its aim was to explore the possibility of standardising the handling of drugs so that nurses would be able to transfer from hospital to hospital without having to learn a new system each time they moved. It became evident early in subcommittee's discussions that most of the non-pharmacist members had only sketchy knowledge of the forensic aspect of drugs, and that pharmacists themselves held differing views on matters of practice. Lay members of the subcommittee believed that the inspection of Dangerous Drugs cupboards was the most important of the pharmacist's duties. The subcommittee had recommended that all drugs should be administered and checked by two persons. Mr. Trillwood made the point that there were six alternative methods if one or two nurses were involved in giving and checking drugs, but not all were of equal value as checks. The most senior person should undertake the most difficult job (i.e. the checking). The practice of putting out drugs in advance so that the dosage could be checked by someone who would not witness the administration of the drug had been condemned by the Subcommittee. Separate books had been recommended for (a) the requisitioning and (b) the recording of Dangerous Drugs. If one book was used for both purposes it would often be away from the ward when needed, especially where supplies were obtained from another hospital. The only record at the time of administration might be on a scrap of paper which later might not be entered properly.

It should be clearly understood that authority to possess, and hence to requisition, Dangerous Drugs was vested in the ward sister or acting sister; the latter could be any nurse where qualified or not, even a first-year student. The S.R.N. qualification did not in itself give authority to possess Dangerous Drugs. There should be one key only for any ward drug cupboard. The knowledge that only one key was available would encourage care in handling it and there would be much less likelihood of its being lost.

When Dangerous Drugs were supplied by the Chief Pharmacist of a main hospital to smaller hospitals in a group there were two methods of procedure which could be adopted:—(a) The wards in the smaller hospitals could be regarded as extra wards of the main hospital, Dangerous Drugs could then be supplied direct to the ward sis-

ters, on their signed requisition; (b) Each smaller hospital could be treated as a hospital in which there was no pharmaceutical department. Dangerous Drugs could then be supplied to the matron on her requisition which must be countersigned by a medical officer.

The tendency to "smooth things over" when there was a loss of Dangerous Drugs was unwise. Any loss should be reported to the police at an early stage. The police were chiefly concerned that the offender should be put on the right lines for treatment and the charge preferred was normally one of theft. The subcommittee had not considered it advisable on the evidence to recommend a revision of the Dangerous Drugs Act.

A vote of thanks to Mr. Trillwood was proposed by Mr. J. S. Rutter (vice-chairman of the Committee).

A MODERN IRISH PHARMACY

New premises a showpiece of good design



The impressive facade of the new pharmacy

ONE of the best-designed Irish provincial pharmacies must surely be that recently opened by Mr. David Roice, M.P.S.I., Gorcy, co. Wexford. A native of Wexford town, Mr. Roice began his career in Whelan's Pharmacy, and gained his Licentiate with a silver medal award. He has on occasions been an examiner in pharmacy to the Pharmaceutical Society of Ireland. In 1945 he opened his own pharmacy at 90 Main Street, Gorey, and recently he transferred the business to 76 Main Street.

The new pharmacy is a model of what enterprise allied to a full sense of the professional aspect of pharmacy may achieve. Most impressive aspects are the excellent taste and high artistic sense used in the arrangement and display of stock, and the use of mahogany and glass in a well-planned layout that is, above all, dignified.

The façade is in contemporary style but the effect is restrained and pleasing. On the white Vitrolite facia the title "Chemist" appears in an attractive neon scroll, and the name of the proprietor in bold red letters. The windows are set in black toughened glass with handsome moulded stainless steel sur-

rounds. A particularly striking feature is the angled window to the left of the mahogany portal. The shop-fitters (A. B. Bex, Ltd., Dublin), have ingeniously utilised a vacant space to the right of

the entrance for a wall display case framed in moulded stainless steel. The Dublin correspondent of THE CHEMIST AND DRUGGIST writes: "The artistic way in which that case and the window were dressed the day I called could not be excelled by the smartest pharmacies in Dublin's Grafton Street. This is setting an entirely new standard of pharmaceutical presentation for Irish country towns and to the goods of pharmacy."

Within the pharmacy, counters both sides of the customer area continue for 32 feet from the entrance to the dispensing screen at the rear. All the counter units are lined with mahogany and most have sliding plate-glass panels. On the right, as one enters, is a pegboard display unit within a mahogany frame over which is a canopy concealing two spotlights. Further down on the right is the optical department (Mr. Roice is a qualified optician).

Left, the interior of the pharmacy seen from the entrance; right, a view of the entrance giving an idea of the effect obtained by having the display window at an angle to the building line.





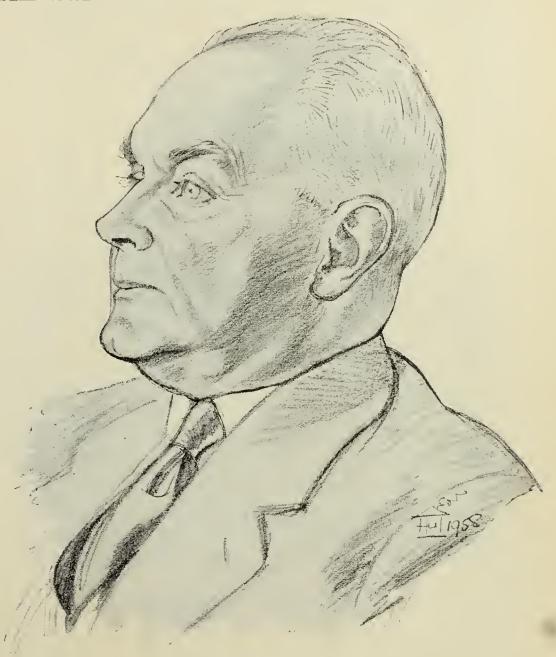
FIGURES IN THE PHARMACEUTICAL WORLD

OLD soldier of two world wars and mentor to more students than he cares to remember, Eric Knott has become something of a legend in pharmaceutical circles. At an age when most men narrow their outlook—he retires from his present position as lecturer at the Heriot-Watt College in two years—he finds himself in the centre of an ever-widening circle of acquaintances for, as students go forth into the world, the student-lecturer relationship almost invariably ripens into life-long friendship

Son of a Girvan weekly newspaper editor, Mr. Knott did not turn to print, as did two of his brothers, but after a holiday spent with an uncle pharmacist in Motherwell entered "Gib." Grands in Motherwell entered "Gib." Grands in Motherwell entered "Gib." ham's Girvan pharmacy as an apprentice. He recalls chilly outings to the quay to collect livers when the cod season was in swing and the subsequent preparation of the cod-liver oil. there was the visit to the gas works for slaked lime (a constituent of gape powder, which was compounded on the premises). It was at that typical country pharmacy that the young Eric Knott saw the first concession to modern trends when the coloured carboys were removed from the windows, although specie jars still adorned the inside of the shop. The apprenticeship was thorough, and drawers which really contained what their labels proclaimed to the public had a card with botanical name, nature order, and habitat of the contents. Assistants have always thought themselves cleverer than their masters, and in the preparation of a horse worm powder which contained arsenic a particular assistant was certain it was more sensible to use powdered exsiccated ferrous sulphate rather than laboriously powder the commercial crystals. After half an hour of mixing the assistant collapsed and was violently sick. Consternation reigned when it was discovered the type of ferrous sulphate used. It was then explained to the assistant It was then explained to the assistant and apprentice who had been helping that the commercial salt was used to prevent the arsenic getting into the air and being inhaled.

Apprenticeship was just completed when the 1914–18 war broke out and, faced with the option of going to classes or into the army, Eric Knott chose the army. In the Worcester Regiment he served in the famous 63rd, R.N. Division, was twice wounded, and was promoted for gallantry, being demobilised as an acting sergeant-major. In 1919, once again a civilian, he joined J. A. White, Goldenacre, Edinburgh, as an assistant and proceeded to study for the chemist and druggist qualification at the school of pharmacy, the Royal Dispensary (Duncan's). Asked to stay on as a demonstrator, he worked for the Major, after passing which he remained as a junior lecturer until 1924, when on W. Duncan's retirement he was invited to take command.

He had long been associated with the Edinburgh Chemists' Assistants' and Apprentices' Association, filling the offices successively and successfully of treasurer and secretary, and in 1925 he



64. MR. ERIC KNOTT

was elected president. Botanical excursions, for which the association was famous, were his speciality, and it was nothing to find him conducting such an excursion at 5.30 in the morning. He was also a regular contributor to the Association's proceedings, conducting a "notes and queries" feature for a number of years.

He retained the position of principal at the Royal Dispensary until the school amalgamated in 1935 with the School of Pharmacy, Heriot-Watt College, when he transferred to the pharmacy department of the College as lecturer. It was a typically generous gesture that made him suggest to students and old students who wished to entertain him to dinner on that occasion that something concrete would be more in keeping. As a result, a fund was raised to provide a memorial medal and prize in memory of Mr. William Duncan (principal of the School of Pharmacy, the Royal Public Dispensary from 1886–1924) the medal and prize to be

awarded annually to the best student in the Pharmaceutical Chemist Qualifying course at the Heriot-Watt College.

course at the Heriot-Watt College.

As a territorial he mobilised in August 1939 with the rank of sergeant, saw extensive service with various R.A.M.C. units at home and in the countries of the Middle East, and was commissioned in 1942. In 1945, he recalls, with a twinkle in his eye, he was one of the first to be demobilised under the "aged and infirm" category. When in the Middle East he was frequently asked by Field Security to identify parcels, usually sandbags, of contraband drugs, hashish being the most common. To aid the local police he grew plants of Indian hemp so that, after instruction, they would be able to spot patches of the plant, often grown in the centre of cotton fields. His knowledge of chemistry also enabled him to come to the assistance of the authorities in the identification of counterfeit Maria Theresa dollars, the genuine silver coins then being Ethiopian currency.

One thing which gave immense pleasure was to discover supplies of Ryles tubes packed in solution bearing the date 1915 and the label of a well-known British wholesaler. He also found tab. acid acetylsalicyl, gr. 5 of the same

period in excellent condition.
"Demobbed" at Redford Barracks, Edinburgh, at 8 a.m. on June 18, 1945, he reached home at 11 a.m. to receive a phone message from a friend whose pharmacist manager had been taken ill. The outcome was that at 1 p.m. he once again took up the threads of civilian life. Returning to College as lecturer, he found himself welcoming back

as students a few of the men with whom he had seen service in the Middle East. Almost immediately he resumed his many pharmaceutical activities. He was reappointed a member of the board of examiners for Scotland, a position to which he had been appointed but had been unable to fill because of the war. A frequent contributor to the evening meetings of the Edinburgh and Southeastern Scottish Branch of the Pharmaceutical Society (of which he has been secretary for the past ten years) and Scottish Department, he was invited in 1957 to deliver the J. Rutherford Hill centenary lecture. He and Mrs. Knott, a former head of the French department at Prestwick High School, have been regular visitors to the British Pharmaceutical Conference for many years.

In his younger days Mr. Knott was an enthusiastic member of the Edinburgh Chemists' Golf Club but is now more often to be seen umpiring a cricket match at Melville College, where his son, Eric, now in insurance, was formerly a student. He retains a passionate interest in "growing things" and has a particularly fine herb garden at his home in Craigleith Road, Edinburgh, providing a source of pleasure to himself and his pharmacist visitors.

CLOSED AFTER 150 YEARS

Passing of an Edinburgh pharmacy



WITH an increasing and saddening frequency it becomes necessary to record the demise of pharmacies that have scemed to be immortal. One of the most recent is the business of John Robertson & Co., 24 North-west Circus Place, Edinburgh, which closed its historic doors on July 5.

The business, which claimed to be the oldest in Edinburgh in the original premises in which it started, was established about 1808, and had therefore given a service on the same spot for 150 years. The shop is on the fringe of what was the New Town of Edinburgh, and the noble Adam houses nearby were at one time inhabited by titled people and Lords of the Court of Session. But, just as in the late eighteenth century that same elite vacated Edinburgh's ancient Royal Mile for more spacious surroundings, so now the stately houses of the New Town are being abandoned to office and hotel, and, as elsewhere, the apparently unchangeable has changed.

The business was established by Dr. David Hatton, a Surgeon and Druggist, as many were in Scotland's capital at that time. He was succeeded by James Grant, druggist, in 1852, and hc, in turn, was succeeded by Alexander Noble in 1858. By a happy arrangement Noble heaven a partner in Dun. ment Noble became a partner in Duncan, Flockhart & Co., and his place was

taken in 1878 by John Robertson, who had hitherto been town traveller for that firm. During Robertson's tenure of the business one of his assistants was Rutherford Hill, later to become Resident Secretary of the then North British Branch of the Pharmaceutical Society. Another was W. Mackenzie, Ph.C., known to older students as a teacher of pharmacy in the Royal Dispensary School of Pharmacy. From those distinguished pharmacists, the business passed into the hands of the pharmaceutical family of Spence, of whom four were at one time on the register, and it has maintained its close connection with that family through Mrs. K. Spence until its final passing.

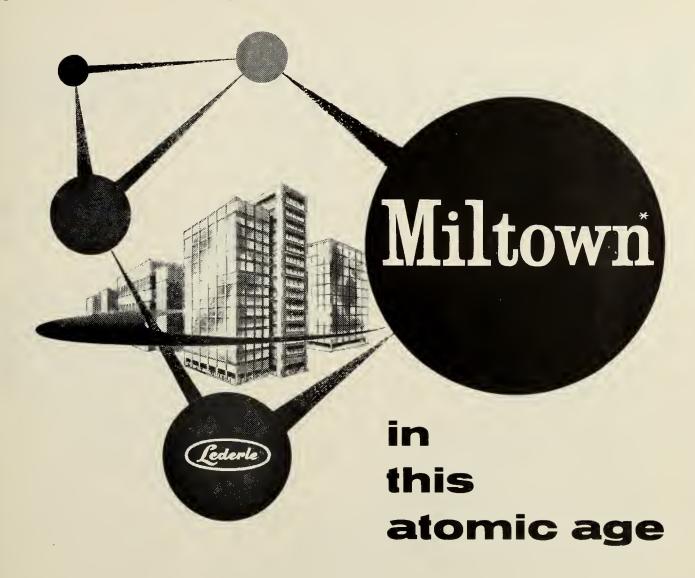
The shop itself had a unique position in that it was at one time flanked on each side by a barber's saloon, while over the pharmacy was the office of a pawnbroker, the corner making a compact example of the signs of trade. Over the door of the pharmacy was its own large gilded mortar and pestle; to right and left, the pole in white and red of the barber—one-time barber-surgeon and above, on the first floor, the gilded balls of the beneficent "avuncu-It is believed that the lar relative.` three balls represented the Henri de Medici sign of pills, and if that was their origin the combination of signs at the corner must have been unique in its

ancestral medical and pharmaceutical display.

An early prescription book of the business has been presented by Mrs. Spence to the Pharmaceutical Society's House in Edinburgh, together with several interesting early price lists. In the illustration may be seen a leech jar, two drug jars and a number of round black carboys for the storage of larger quantities of tinctures than are called for under present conditions. As an addition to the retail pharmaceutical business, the firm acquired the specialities of W. B. Cowie, and manufactured and marketed for many years such products as Idogen and Bromogen.

STANDARD CINE FILM

THE British Standard for motion picture film (B.S. 677: 1958) has been revised and is now available in three separate parts (1, 35-mm.-film; 2, 16 mm.; 3, 8 mm.). The revised standard codifies current practice in the "dimensioning" of cine film. A feature of the revised publication is the alignment of several of its requirements with the recommendation of the International Organisation for Standardisation. The dimensions specified relate to sound and silent 35-mm. and 16-mm, negative and positive motion picture film and to silent 8-mm. film. The sound tracks dealt with are of the optical type; their dimensions are specified, as are their positions in cameras and projectors. (Magnetic sound tracks are dealt with in a separate and recently published standard, "Dimensional Features of Magnetic Sound Recording on perforated Film" (B.S. 2981.)). The use of lowshrink bases since the previous edition of the standard was issued in 1942, has led to the specification of dimensions for the raw stock in those bases. Another development reflected in the new publication (part I, 35-mm. film) is the inclusion of requirements for "short-pitch" negative films intended for use on sprocket-type printers. Although B.S. 677 is essentially a dimensional standard (i.e. there are no requirements for the base materials or the emulsion), it does specify camera and projector speeds and the relative portions of the picture and sound records. Copies are available from the British Standards Institution, 2 Park Street, London, W.1.



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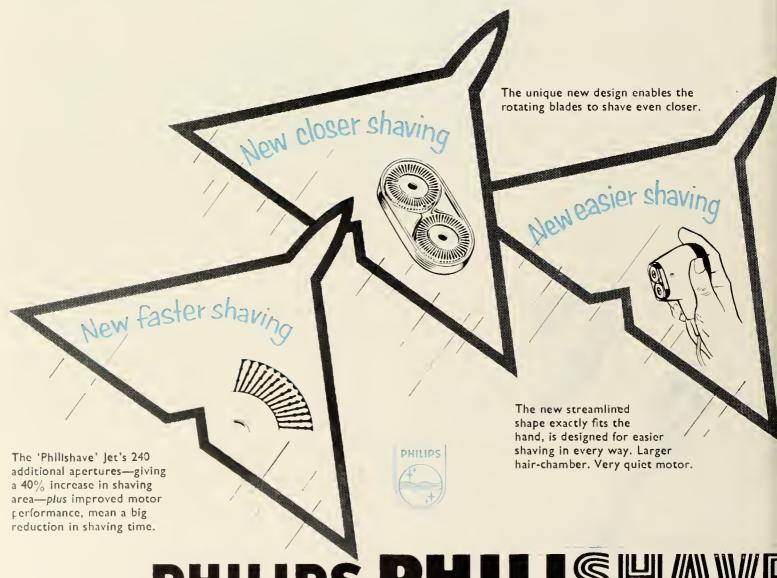
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Tough But Rewarding

THE Dollar Exports Council's delegation which visited Canada during April and May has now published its report (see p. 109). In it the Canadian market is described as "tough and highly competitive" but with rewards in the long run for the courageous and enterprising. Most of the leading British pharmaceutical manufacturers have their associated Canadian houses with manufacturing facilities and most would agree that, at first, the going was tough. To break into a market which is so close economically, and geographically to the largest trading nation in the world could not prove otherwise. Canada's imports from the U.S. in 1957 were valued at nearly \$4,000 millions, those from the United Kingdom at \$522 millions. In chemicals, Britain's share was 7.9 per cent, and that of the United States 86.3 per cent. Thus if Britain could double her share it would not materially hurt the United States exporters whilst being vital to the United Kingdom economy.

A good start has already been made by British pharmaceutical exporters for, as mentioned below, in the six months to June 30 the value of prepared medicines supplied to the Dominion was £483,298, against £306,820 in the corresponding period of 1957. Although small when taking account of the size of the United States market, sales to the U.S. also show steady improvement.

Pharmaceutical Exports Dip

EXPORTS of drugs, medicines and medicinal preparations from the United Kingdom fell sharply during June to £2.48 millions from a monthly average of £3.08 millions in the first half of the year. The result was, of course, expected, since only about one-fifth of the London dock workers were in action for the greater part of the time. Imports of like goods were, at £1.25 millions, surprisingly high, for it might have been expected that they would be similarly lower than normal, even though their returns become available more quickly than exports.

After several years of growth—though with fluctuations in the actual rate—the value of United Kingdom overseas trade as a whole declined in the first half of 1958, and pharmaceuticals proved no exception to the general trend. The value of prepared medicines shipped during that period at £18·49 millions was £1·3 millions less than in the corresponding period of 1957.

Australia was the largest single purchaser taking prepared medicines to the value of £1.6 millions in

the half year; the Union of South Africa was the only other country whose purchases exceeded £1 million in that period. India's strict import policy has naturally affected her purchases of medicines for, at £773,000 during the January-June period, they were at only half the value of those in the corresponding period of 1957. Pakistan's purchases on the other hand, have increased and at the end of June were ahead of India's. The fall in Burma's imports from the United Kingdom reflects its own growing pharmaceutical industry, for whereas her purchases in the first half of 1957 were worth £800,000, they were valued at only £254,000 in the current half year. A brighter side of the picture is seen in the increasing value of shipments to the dollar areas. United States imports of prepared medicines from the U.K. were £100,000 higher at £577,653, and Canadian imports £180,000 higher at £483,298. Sales to the principal South American countries also recorded useful gains. The accompanying tables give import and export statistics by product for June and for the period January-June 1958.

| EXPORTS | | | VALUE | |
|--------------------------------|---------|----|--------------|------------|
| | | | JanJune £ | June £ |
| Drugs, medicines, medicinal | prepara | a- | | |
| tions (total) | | | 2,481,325 | 18,495,553 |
| Vitamins | | | 159,294 | 1,210,419 |
| Penicillin salts | |] | 130,056 | 890,151 |
| Penicillin injections | | | 41,625 | 401,055 |
| Penicillin tablets, ointments | etc | | 55,802 | 292,300 |
| Antibiotics other than penic | | | 351,849 | 2,603,474 |
| Quinine | | | 17,852 | 91,351 |
| Alkaloids, excluding quinine | | | 108,307 | 528,236 |
| Aspirin | | | 94,636 | 610,828 |
| Antihistamines | | | 32,524 | 212,872 |
| Antipaludics | | | 54,347 | 301,444 |
| Barbiturates | | | 42,560 | 254,707 |
| Liver extracts | | | 10,556 | 79,005 |
| Ointments and liniments | | | 71,806 | 538,212 |
| Insulin | | | 29,219 | 298,407 |
| Sulphonamides | | | 62,188 | 546,628 |
| Proprietary medicines | | | 669,276 | 5,215,866 |
| Other medicines, unclassified | | | 535,763 | 4,237,861 |
| Glycerin | | | 39,341 | 207,581 |
| Acetone | | | 74,714 | 265,670 |
| Citric acid | | | 21,476 | 221,263 |
| Salicylates | | | 16,663 | 95,109 |
| Perfumery and toilet preparati | | | | |
| Lipstick, face powder, etc., | | | 181,030 | 1,682,181 |
| Dentifrices | | | 141,187 | 1,127,772 |
| Toilet soaps | | | 159,496 | 1,350,346 |
| Synthetic detergents | | | 434,758 | 3,300,756 |

| IMPORTS | | | 1 | VALUE | | |
|------------------|---------|--|---|-------|-----------|--------------|
| | | | | 1 | June £ | JanJune £ |
| Vitamins | | | | | 63,932 | 543,182 |
| Antibiotics | | | | | 141,772 | 567,226 |
| Alkaloids | | | | | 49,020 | 297,934 |
| Proprietary med | licines | | | | 58,120 | 560,213 |
| Unclassified med | licines | | | | 938,003 | 2,955,952 |
| Borax | | | | | 68,706 | 567,640 |
| Iodine | | | | | 19,220 | 157,300 |
| Menthol | | | | | 10,423 | 103,419 |
| Essential oils | | | | | | |
| Bergamot | | | | | 4,314 | 160,734 |
| Citronella | | | | | 10,116 | 86,923 |
| Clove | | | | | | 6,656 |
| Geranium | • | | | | 49,815 | 203,283 |
| Lavender | | | | | 13,999 | 54,263 |
| Lemon | | | | | 45,535 | 426,293 |
| Orange | | | | | 23,119 | 193,073 |
| Peppermint | | | | | 67,771 | 377,809 |
| Unclassified | • • • | | | • • • | 142,751 | 1,142,394 |

A Hormone Therapy Risk

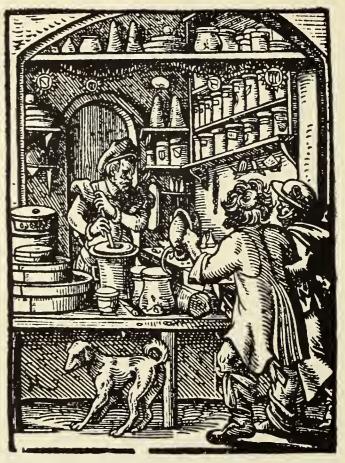
A LEADING article in the British Medical Journal (July 26, p. 218) gives a warning that hormone therapy in pregnancy cases may lead to pseudohermaphrodite children. It also expresses doubts on the therapeutic value of hormones in such cases. The writer recognises the comparative ease of producing foetal intersex in laboratory animals by androgen administration to the mother. Parallel results are possible in humans and progesterone-therapy (not infrequently used to maintain pregnancy) may produce the same results. For the first ten weeks of gestation the foetal basic neutral structure is feminine. Differentiation arises as a result of testosterone secretion in the testis. Administered androgens reinforce the normal secretion and may give rise to temporary genital hypertrophy; after administration, progesterone undergoes partial metabolic modification to testosterone, with the same result. The effect may be negligible, as 1 mgm. of progesterone quantitatively provides 0.03 mgm. of testosterone, but large doses in the third and fourth months may promote the conditions whereby the baby is born with abnormal external genitalia.

Onward from Galen A CURRENT CAUSERIE

It has been shown that meat, fish and poultry sprayed or dipped in solutions containing certain antibiotics become less prone to bacterial spoilage. The ministries concerned are extremely interested in the research work being done on the subject but are rightly adopting a conservative attitude and are not yet allowing antibiotics to be freely used in that way. An unusual aspect of the kind of research work which has been undertaken recently was made known by Pfizer, Ltd., Folkestone: the use of Biostat (oxychlortetracycline) in the preservation of whale meat. In normal conditions delay between harpooning a whale and processing the meat results in bacterial spoilage of the carcase. Where, however, about 8 gall. of a solution of the antibiotic was blown into the whale's peritoneal cavity, when the latter was inflated for towing the progress of decay was substantially arrested, and an improved yield of first-grade oil resulted.



THE complexity of current medical research is illustrated in the Medical Research Council's Report for 1956–57 (H.M. Stationery Office, 13s.). Expert committees upon a wide range of subjects total sixty-nine and fifty-three sciences are the subjects of research in laboratories throughout the country. Probably the most interesting result of this medical investigation work is the discovery and exhibition of the properties of interferon (C. & D., May 24, p. 551). Influenza virus, inactivated by heat or ultra-violet light. combined with chick chorioallantoic membrane gives rise to this substance. The assessment of 1-bromo-β-naphthol in the treatment of hookworm and diethylcarbamazine in Bancroftian filariasis have occupied permanent staff of laboratories in Gambia, while visiting research workers included L. G. Goodwin, M.B., B.Pharm., of the Wellcome Tropical Medicine Laboratories, O. D. Standen and L. G. Goodwin were concerned with piperazine salts used in the treatment of Ascaris infestations. The origin of the Asian strain of influenza virus is still obscure, although there is some evidence suggesting an animal reservoir, according to the report. Whatever its origin, the view is expressed that it will persist in the country for a number of years. However, preliminary reports in Britain, as well as from the United States, indicate that the vaccine containing the strain can confer a good level of protection shortly after injection, although the duration of immunity is still not known.



"The Apothecary," a woodcut by Jost Amman in the Ars Medica touring exhibition organised by Smith, Kline & French Laboratories, Ltd., London, S.E.5.

Philadelphia Museum of Art.

ECHOES OF THE PAST BALSAMIC CORDIAL STYPTIC

From "The London Chronicle, or Universal Evening Post," April 1759

THIS Medicine, which is both a Styptic, a Cordial, and a Balsam, has nothing in its Composition that is in the least corrosive, and may therefore be applied internally as well as externally with the greatest Safety and Success.

It is a most sovereign Remedy in all inward Bleedings, Vomiting, and Spitting of Blood, or Bleeding at the Nose. It will stop the Bleeding of any Cut or Green Wound, and most certainly heal it without the Use of any Plaister. It effectually cures the Bloody Flux, and all other Hemorrhoids and Fluxes, both in Men and Women (as will more fully appear in the printed Directions intended for the Use of Physicians, Surgeons, Apothecaries, and Midwives only). It corroborates and strengthens the Stomach when relaxed or hurt by bad Wines, Sickness, or otherwise, and is a most comfortable, balsamic, and refreshing Cordial.

Dr. Cheyne, in his ingenious and learned Work, intituled, The Natural Method of Curing the Diseases of the Body, &c., prefers this Medicine to all other Styptics. "Every one (say he) knows the agglutinating Quality of sweet Blood; and I apprehend it is to this that Eaton's Styptic owes its soft, mild, soldering Efficacy. It is more mild, substantial, and soft, than the mildest Steel Preparations, and more fit to glue up a Rupture, or to give a Balsam to the acrid and inflamed Blood; and I am confirmed in this Opinion, by a Physician of great Worth and Candour, who has had great Opportunities of seeing its Effects in such Cases by his Practice in Midwifry."

This Medicine, which has ever since the Decease of Dr. Eaton, been prepared only by myself and my late Daughter, according to his original Receipt, is now made and sold by Mr. John Newbery, at the Bible and Sun in St. Paul's Church-yard, London; who alone is possessed of the said original Receipt, and was instructed by my said Daughter. sometime before her Death, properly to prepare the same.

M. DUTTON,

Salisbury Court, Fleet-street, May 20, 1757.

LLANDUDNO CONFERENCE PAPERS

Details of contributions to science and professional sessions

THE following papers are being presented at the ninety-fifth meeting of the British Pharmaceutical Conference, Llandudno, September 15-19.

Monday morning, September 15 **OPENING SESSION**

" Modern Address. ANALYTICAL CHEMISTRY IN THE SERVICE OF PHARMACY AND MEDICINE." Dr. G. E. Foster (chairman of the Conference).

Monday afternoon, September 15 SCIENCE SESSION

1. THE BASIS FOR "SUFFICIENT OF A SUITABLE BACTERIOSTATIC" IN INJEC-

TIONS. G. Sykes.

THE FACTORS INFLUENCING STERI-LISATION BY LOW PRESSURE STEAM: PART I, DESIGN AND INSTRUMENTATION;
PART II, THE INFLUENCE OF WATER
CONTENT OF COTTON GOWNS ON EQUILIBRIUM TIMES. T. E. Barson, F. Peacock, E. L. Robins and G. R. Wilkinson.

THE COLORIMETRIC DETERMINA-TION OF MORPHINE IN GALENICAL PRE-PARATIONS. C. A. Johnson and Cecilia

Some Observations Concerning THE CHEMICAL REACTIONS OCCURRING BETWEEN FORMALDEHYDE AND PEPTONE.

Kenneth Bullock and V. Subba Rao.

5. THE EFFECTS OF ADDED PEPTONE

ON THE BACTERICIDAL ACTION OF SOLU-TIONS OF FORMALDEHYDE. Kenneth Bullock and V. Subba Rao.

Tuesday morning, September 16 SCIENCE SESSION

THE STABILITY OF SOLUTIONS OF 5-Hydroxytryptophan. J. W. Hadgraft, Shirley A. P. Price and G. B. West.
7. Studies on 5-Hydroxytrypta-

MINE AND 5-HYDROXYTRYPTOPHAN. G. B.

West.
8. THE PRECISION OF SOME PROCE-DURES IN PHARMACEUTICAL ANALYSIS: PART I, USE OF A PIPETTE AND A BUR-

ETTE. A. R. Rogers.

NEUROMUSCULAR BLOCKING AGENTS: PART II, THE PREPARATION AND PROPERTIES OF A SERIES OF NSN- AND NNN-TRIS-ETHONIUM COMPOUNDS, D. Edwards, J. J. Lewis, J. B. Stenlake and M. S. Zolia.

10. NEUROMUSCULAR BLOCKING AGENTS: PART III, SOME LINEAR NNNN-TETRAETHONIUM COMPOUNDS. D. Edwards, J. J. Lewis, J. B. Stenlake

and M. S. Zolia.

PROFESSIONAL SESSION

"THE PHARMACIST'S RESPONSIBILITIES TO HIS POST-GRADUATE STUDENT"

Opening papers, THE ACADEMIC VIEWPOINT. J. C. Parkinson. THE RETAIL PROBLEM TODAY. G. T. Espley.

Tuesday afternoon, September 16

11. Some Aspects of the Property OF ANGLE OF REPOSE OF POWDERS. David Train.

12. The Flow Properties of Pow-DERS UNDER HUMID CONDITIONS. D. J.

Craik and B. F. Miller.

13. OBSERVATIONS ON INCREASED DISINTEGRATION TIMES OF TABLETS ON INCREASED STORAGE. R. A. Ramsay.

- 14. THE PREPARATION AND THE ANTI-BACTERIAL AND ANTIFUNGAL PROPERTIES OF SOME SUBSTITUTED BENZYL ALCOHOLS. D. V. Carter, P. T. Charlton, A. H. Fenton, J. R. Housley and B.
- 15. THE INTERACTION OF CHELATING AGENTS WITH BACTERIA: PART I, 8-HYDROXYQUINOLINE (OXINE) AND Sta-phylococcus aureus. A. H. Beckett, A. A. Vahora and Ann E. Robinson,

Wednesday morning, September 17 SCIENCE SESSION

16. THE DETERMINATION OF PHENO-LIC COMPOUNDS IN PHARMACEUTICAL PREPARATIONS 4 USING 4-AMINOPHENA-ZONE, C. A. Johnson and R. A. Savidge.

17. VISCOSITY STUDIES WITH PHOS-PHATIDE SOLS. I. L. Thomas and L. Saunders.

18. VEGETABLE PURGATIVES CON-TAINING ANTHRACENE DERIVATIVES. PART X, A NEW ACTIVE GLYCOSIDE OF SENNA. J. W. Fairbairn, C. A. Friedmann and H. A. Ryan.

19. ANATOMICAL STUDIES IN THE GENUS DIGITALIS: PART I, THE AN-ATOMY OF THE INFLORESCENCE OF D. purpurea L. P. S. Cowley and J. M. Rowson.

20. FACTORS INFLUENCING PERCUTA-NEOUS ABSORPTION. D. H. O. Genimell and J. C. Morrison.

Thursday morning, September 18 SYMPOSIUM SESSION

THE EVALUATION OF NEW DRUGS L. G. Goodwin and F. L. Rose.

Friday morning, September 19 SCIENCE SESSION

21. The Actions of Digitalis

LEAF PREPARATIONS AND OF CARDIAC GLYCOSIDES ON THE ISOLATED RIGHT VENTRICLE OF THE GUINEA PIG. G, A. Stewart.

VEGETABLE PURGATIVES CON-TAINING ANTHRACENE DERIVATIVES.
PART IX, AN ALOIN-LIKE SUBSTANCE IN
Rhammus purshiana D.C. J. W. Fair-

bairn and V. K. Mital.

23. THE ISOLATION AND COMPARISON
Proteins of Pyrogenic Factors from Proteus Vulgaris. J. P. Todd, J. A. M. Shaw, J. A. Blain and W. Boyle.

24. The Surface Activities of α -and β -(Acyl) Lysolecithins. N. Robinson and L. Saunders.

25. A NOTE ON THE PHARMACOLOGY OF RESCINNAMINE AND SERPENTINE. M. S. Zoha, S. M. Kirpekar and J. J. Lewis.

PROFESSIONAL SESSION "THE PRESENTATION OF DISPENSED MEDICINES.

Opening papers, VIEWS OF A PRACTISING PHARMACIST. G. T. M. David. VIEWS OF A MANUFACTURING PHARMA-CIST. A. R. G. Chamings.

Friday afternoon, September 19 SCIENCE SESSION

26. A Comparative Study of the HYDROLYTIC AND NON-HYDROLYTIC METHODS FOR THE ASSAY OF SOLAN-ACEOUS DRUGS. R. E. A. Drey.

27. IDENTIFICATION OF SEEDS FROM VARIOUS SPECIES OF STROPHANTHUS. W. G. Thomas and Colin Melville.
28. The Functional Groupings of

CUCURBITACIN E (α-ELATERIN). J. N. T. Gilbert and D. W. Mathieson.

Galley proofs of the chairman's address and of the papers being presented at the colors. sented at the science, symposium and professional sessions will be available in the usual way before the Conference.

BRUSSELS CONGRESS

Draft programme for international meeting

THE seventeenth Congress of the International Pharmaceutical Federation and the eighteenth International Congress of Pharmaceutical Sciences which are to be held in Brussels, September 8-15, are to be opened by Sir Hugh Linstead (president of the I.P.F. and Professor R. Ruyssen (president of the Federation's scientific section). The following (abbreviated) draft programme has been prepared:-

Monday, September 8

11, Academic session; Opening session; Presentation of the Höst-Madsen medal.

At 2.30 p.m., General assembly of the International Congress of Pharmaceutical Sciences; General conferences.

Tuesday, September 9

At 9.30 a.m., Scientific section; Symposium: "Radioisotopes and Their Applications"; Meetings of sections and committees.

At 2.30 p.m., Meetings of sections and committees.

At 5 p.m., Meeting of the scientific section.

Evening, Reception by the Burgo-master of Brussels.

Wednesday, September 10

At 9.30 a.m., General assembly of the I.P.F. congress.

At 2.30 p.m., Scientific section: Symposium on "Biometry and its Application."; Meeting of I.P.F. sections and

committees.

At 5.30 p.m., Meeting of the scientific section and the press and documentation section and a discussion on "Pharmaceutical Abstracts."

Thursday, September 11 Meetings of sections.

Friday, September 12 Visit to the Universal Exhibition.

Saturday, September 13

At 9.30 a.m., General assembly of the I.P.F.; Reports and discussions.

September 14 and 15

Excursions.

A retrospective pharmacy exhibition is being held at Brussels University.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 126.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

CODELPRONE

Manufacturer: Merek Sharp & Dohme, Ltd., Hoddesdon, Herts.

DESCRIPTION: Tablets containing prednisolone, 2 mgm., meprobamate, 200 mgm., and dried aluminium hydroxide gel, 200 mgm.

INDICATIONS: Rheumatoid arthritis, osteo arthritis, fibrositis. Certain collagen or inflammatory diseases requiring steroid therapy.

Dosage: Initially 2 tablets are to be taken three or four times a day until the desired degree of remission is obtained. The dose may then be reduced by one tablet every four or five days until the lowest effective maintenance dose is reached.

How Supplied: In bottle containing 100 tablets.

FIRST ISSUED: June 1958.

SUPPLY RESTRICTIONS: Therapeutie Substances Aet.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

DISTIVIT tablets

Manufacturer: The Distillers Co. (Biochemicals), Ltd., Broadway, Wimbledon, London, S.W.19.

Description: Tablets each containing 20 μ gm. or 100 μ gm. of vitamin B_{12} eombined in the form of a peptide complex.

INDICATIONS: Pernicious anæmia and other megaloblastic anæmias, debility and nutritional impairment states, convalescence.

Dosage: Pernicious anæmia: 100 µgm, three times daily for ten days then 100 µgm, daily until blood count returns to normal. Maintenanee therapy 20 µgm, daily. Other anæmias: 100 µgm, daily until remission of symptoms. Debility and convalescence: 20 µgm, twice daily between meals.

How Supplied: In tubes containing twenty-five; bottles containing 100, 20-μgm. tablets; and bottles containing 100 and 500, 100-μgm. tablets.

First Issued: July 1958. References: *Lancet*, 1958. 1. 982.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

RARICAL tablets

Manufacturer: Ortho Pharmaceuticals, Ltd., High Wyeombe, Bueks.

DESCRIPTION: Tablets each containing ferrous ealeium citrate complex providing ferrous iron, 25 mgm., and ealeium, 85 mgm.

INDICATIONS: In conditions in which iron and ealcium supplementation is of value. In anæmia, pregnancy and old age.

Dosage: Adults: 2 tablets with meals three times a day. Children: Dosage in proportion.

How Supplied: In containers of 100 and 1,000 tablets.

References: Obstet. Gynaec., 1955. 5. 2. Practitioner, 1957. 179. 295.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

DELTASTAB

MANUFACTURER: Boots Pure Drug Co., Ltd., Station Street, Nottingham,

DESCRIPTION: A sterile suspension of prednisolone acetate, for intraartieular or periartieular injection. Each mil. contains 25 mgm. of prednisolone acetate.

INDICATIONS: Local treatment of certain arthritic conditions when few joints are involved. Soft-tissue lesions (e.g., tennis elbow) may also be relieved.

Dosage: 2:5-25 mgm. of prednisolone acetate by intraarticular or periarticular injection according to joint size and lesion.

How Supplied: In rubber-eapped vial containing 5 mils, of sterile suspension.

FIRST ISSUED: July 1958.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

PEROLYSEN

Manufacturer: Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex.

DESCRIPTION: Pempidine tartrate (1:2:2:6:6-pentamethylpiperidine hydrogen tartrate) in tablets each containing approximately 2.5 mgm. or 5 mgm. of base.

INDICATIONS: Management of selected cases of hypertension, particularly severe, essential and malignant hypertension.

Dosage: Initial dose 2·5-7·5 mgm. with interval between doses, at first, of eight hours, later reduced to five hours. Adjustment to individual response is in 2·5-mgm. increases or decreases. Normally the effective daily range administered in four doses is 10-80 mgm. Concurrent administration of small background doses of reserpine increases sensitivity and counters parasympatholytic side-effects.

How Supplied: In bottles of fifty and 500-mgm, or (scored) 10-mgm, tablets.

FIRST ISSUED: July 1958.

Notes: Contraindicated in pyloric stenosis and used with caution in the presence of cerebral or coronary vascular disease. Alkalinising agents should be avoided during therapy and cases with impaired renal function require unusual care in determining dosage.

REFERENCE: Nature, 1958. 181. 1718.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

LIPOSTABIL

Manufacturer: Natterman & Cie, Cologne, Germany. (Trade distributors: John Ronaldson & Co., Ltd., 3 Crooked Lane, Cannon Street, London, E.C.4; distributors to hospitals: Savory & Moore, Ltd., 61 Welbeck Street, London, W.1.).

DESCRIPTION: Capsules, each containing α - and β -lecithins of soya bean 175 mgm., 3-4-5-polyoxyethylene-sorbitolmonooleate 100 mgm., potassium theophyllinate, potassium thiocyanate (addition compound) 50 mgm.

INDICATIONS: Prophylaxis and therapy of circulatory disorders—atherosclerosis. Liquid paraffin aperients are contraindicated during treatment.

Dosage: 1 capsule should be taken with the morning meal and one or two with the mid-day and evening meals or as directed by the physician.

How Supplied: In tube of 100 capsules. References: *Brit. J. Clin. Prac.*, 1956, 10. 868.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

TENORMAL

MANUFACTURER: Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Cheshire.

DESCRIPTION: Tablets of pempidine tartrate (1:2:2:6:6-pentamethylpiperidine hydrogen tartrate): 5 mgm. and 10 mgm.

INDICATIONS: Treatment of essential hypertension (both moderate and severe) and of malignant hypertension.

Dosage: Treatment usually starts with a dose of 2.5 mgm. four times a day, increased by 2.5 mgm. daily until satisfactory reduction in blood pressure is achieved. There is a considerable individual variation in dosage, but the figure of 32.5 mgm. tartrate (16 mgm. of pempidine base) has been found to be the average daily requirement in one series of cases. Constipation occurring during treatment should be corrected and antacid powders and preparations are best avoided.

How Supplied: In bottles of fifty and 500 scored tablets of 5 mgm. (2.5 mgm. of base) and 10 mgm. (5 mgm. of base).

FIRST ISSUED: July 1958.

References: Nature, 1958, 181, 1397, Nature, 1958, 181, 1717, Lancet, 1958, ii. 6.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

CODELSOL skin lotion

Manufacturer: Merck Sharp & Dohme, Ltd., Hoddesdon, Herts.

DESCRIPTION: Skin lotion containing in solution 5 mgm. prednisolone 21-phosphate and 5 mgm. neomycin sulphate per mil.

INDICATIONS: Allergic and contact dermatitis, infantile eczema and various inflammatory skin lesions complicated by infection.

Dosage: Apply two or three times daily.

How Supplied: In plastic squeeze bottle containing 15 mils.

FIRST ISSUED: June 1958.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

Manufacturer: The Crookes Laboratories, Ltd., Park Royal, London, N.W.10.

DESCRIPTION: Lotion, cream and powder each containing 0.5 per cent. of 5-chloro-2-(p-diethylaminoethoxyphenyl)-benzthiazole, a fungicidal compound.

INDICATIONS: Fungous infections of the skin, including athletes' foot, tinea capitis and ringworm infections.

METHOD OF APPLICATION: The infected area should be washed with soap and water, then thoroughly dried before treatment. The powder is used liberally upon footwear and clothing in contact with the infection. The cream and lotion may be used according to the area requiring treatment.

How Supplied: In bottle, with brush, containing 30 mils, of lotion. In tube containing 30 gm, of ointment and in polythene puffer bottle containing 30 gm, of powder.

FIRST ISSUED: June 1958.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

TRIPLOPEN-S

Manufacturer: Glaxo Laboratories Ltd., Greenford, Middlesex.

DESCRIPTION: Single dose vials containing benethamine penicillin G 500,000 units; procaine penicillin G 250,000 units; sodium penicillin G 500,000 units; streptomycin (as sulphate) 0.5 gm; with buffering and suspending agents.

INDICATIONS: Acute infections caused by staphylococci, haemolytic streptococci, pneumococci and other sensitive organisms and for prophylactic use in surgery.

Dosage: A single dose repeated, if necessary, after two or three days. A single prophylactic dose may be administered shortly before operation.

How Supplied: In vial containing a single dose.

FIRST ISSUED: May 1958.

SUPPLY RESTRICTIONS: Therapeutic Substances Act, Part II.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

DURABOLIN

Manufacturer: Organon Laboratories Ltd., Brettenham House, Lancaster Place, London, W.C.2.

DESCRIPTION: Ampoules containing in 1 mil. of oil solution 25 mgm. of 19 nor-androstenolone phenyl propionate. An anabolic steroid with minimal virilizing effect and prolonged action.

INDICATIONS: Inoperable mammary carcinoma, senile osteoporosis, loss of weight.

Dosage: Adults: 25-50 mgm, weekly by intramuscular injection. Children: 12.5 mgm, weekly or one intramuscular injection of 25 mgm, every two weeks.

How Supplied: In box of 3 x 1 mil. ampoules of 25 mgm.

FIRST ISSUED: September 1957.

REFERENCES: Nederl. tijdschr. geneesk., 1958. 100. 2332; ibid., 1956. 100. 2784; ibid., 1957. 101. 389; J. Acta endocrinol., 1957. 204. 209; Brit. med. J. edit., 1958. 1. 1051.

Cross reference for card index:

RASTINON "Hoechst": amendment—available on prescription July 1958.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

NILERGEX and Nilergex S.A. tablets

Manufacturer: Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Cheshire.

DESCRIPTION: Tablets, each containing 4 mgm. of isothipendyl [10-(2-dimethylaminopropyl)-9-thia - 1:10-diaza anthracene], and Nilergex S.A. (sustained action) tablets containing 12 mgm. of isothiopendyl; Nilergex Syrup containing 2 mgm. of isothiopendyl per fluid drachm (3·5 mil).

INDICATIONS: The symptomatic control of allergies such as hay fever, vasomotor rhinitis, allergic dermatoses, food allergies, insect bites and stings, and motion sickness. Patients unable to tolerate other antihistamine compounds or failed to respond to such treatment may react beneficially.

Dosage: Children: One 4-mgm. tablet of Nilergex two or four times daily according to age and clinical condition. Nilergex syrup: One or two teaspoonfuls, two or four times daily. Adults: One or two 4-mgm. tablets of Nilergex, three or four times daily. Nilergex, S.A., one 12-mgm. tablet to be taken on rising and a second in 8-12 hours. Two tablets may be taken in severe cases. Nilergex syrup, 2-4 teaspoonfuls three or four times a day.

How Supplied: Nilergex in containers of fifty and 500, 4-mgm. tablets. Nilergex S.A. in containers of twenty and 100, 12 mgm. tablets. Nilergex syrup in bottles of 100 and 500 mils.

FIRST ISSUED: May 1958.

REFERENCES: Arzn-Forsch., 1957, 7, 237, Medizinische, 1957, 49, 1840, N.Y. Stat. J. Med., 1957, 57, 3329, Zschr. Haut-Gescht, Krkh., 1958, 24, 136, Ann. Allergy, 1958, in press.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

DISTAQUAINE V-K 125 and 250

Manufacturer: The Distillers Co. (Biochemicals), Ltd., Broadway House, The Broadway, Wimbledon, London, S.W.19.

DESCRIPTION: Tablets each containing the equivalent of 125 or 250 mgm. penicillin V free acid in the form of the potassium salt. (tab. penicillin V, B.N.F.).

INDICATIONS: All penicillin-sensitive infections.

Dosage: One or more tablets every four hours, preferably before meals.

How Supplied: In foil pack of twelve tablets and in bottles of 100, 500 and 1,000* tablets.

*(DQV-125 only).

FIRST ISSUED: May 1958.

Poisons Classification: Therapeutic Substances Act.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, Aug. 2, 1958

TROPENAL

MANUFACTURER: Vitamins, Ltd., 23 Upper Mall, London, W.6. DESCRIPTION: Sugar coated tablets each containing aneurine hydrochloride 5 mgm., riboflavine 5 mgm., pyridoxine 2 mgm., nicotinamide 15 mgm., ascorbic acid 50 mgm., phenobarbitone 16 mgm.

INDICATIONS: For chronic tension; anxiety states, restlessness and insomnia, nervous tension following alcohol withdrawal, and old people, especially those who are subject to slight vertigo or unsteadiness, as a mild sedative.

Dosage: 1-4 tablets to be taken daily according to individual requirements and the condition to be treated.

How Supplied: In container of 100 and 500 tablets.

POISONS CLASSIFICATION: P1, S1, S4.

Notes: The simultaneous administration of members of the vitamin B complex and ascorbic acid along with phenobarbitone eliminates the depressive effects normally associated with barbiturate therapy.

NOTES ON NEW MEDICAMENTS

Comments on items given in Guide to New Medicaments (pp. 124-5), especially to show their relationship—pharmacological or chemical with other products or compounds.

CODELPRONE. — Constituents: Meprobamate, prednisolone and aluminium hydroxide. Combines the muscle-relaxant properties of meprobamate with the anti-inflammatory effects of prednisolone, and affords adequate relief of pain in inflamed arthritic joints with a reduced steroid dose. The aluminium hydroxide is included to offset possible hyperacidity. In Equaprin, the relaxant properties of meprobamate are combined with the analgesic and anti-arthritic properties of acetylsalicylic acid.

DURABOLIN. — Chemistry: Nor-androstenolone phenyl propionate, Androstenolone has a close chemical relationship with testosterone, the principal difference being the loss of the methyl radical from the 19-position, Testosterone and methyl testosterone have tissue-building as well as virilising properties. In Durabolin the structural change intensifies the effect on protein and calcium metabolism—and reduces, almost to vanishing point, the virilising action, and virtually eliminating the undesirable side-effects in female patients of drugs of the testosterone type, Durabolin is given by injection, similar compounds active orally are Anabolex (androstanolone) and Nilevar (norethandrolone).

CODELSOL.—Chemistry: Prednisolone phosphate with neomycin, Prednisolone and its acetate are almost insoluble in water, liquid preparations for external use being suspensions or solutions in water-miscible vehicles, Prednisolone phosphate has greater solubility than the base, and is still more soluble than the parent compound hydrocortisone. Its increased solubility ensures a high degree of effective penetration and absorption. Preparations in the Predsol range also contain prednisolone phosphate in solution; Precorticyl contains the base dissolved in a water-miscible solvent; and Hydeltracin is an aqueous suspension of prednisolone with neomycin.

EPISOL. - Chemistry: 5-chloro-2-(p-diethylaminoethoxyphenyl) benzthiazole. Many substances, both mercurial and non-mercurial, have been used as fungicides. Thiazole derivatives are few, but Episol has some close chemical relationships with Asterol, which is 6-(2-diethylaminoethoxy) - 2 - dimethylaminobenzthiazole. Other cyclic compounds, excluding mercurials, by chlorphenesin represented chlorquinaldol (Steroxin), and hydroxyquino-line and salicylanilide. Dequalinium (Deline and salicylanilide. quadin) and hedaquinium (Teoquil) have long methylene-bridge structure connecting two eyclie groups. A simpler methylene structure is found in undecenoic acid, present as the zinc salt in Tineafax, Mycota, Decilderm and Fitoban.

l IPOSTABIL.—Constituents: Lecithin, polyoxyethylene sorbitan oleate and potassium theophyllinate-thiocyanate. Atherosclerosis is aecompanied by an increase in blood cholesterol and total lipids and a deliciency of phospholipids. Administration of phospholipids such as lecithin reduces the abnormal cholesterol/lipid/phospholipid ratio. Experimentally, surface-active agents also cause a lowering of blood-cholesterol levels, hence the inclusion of the sorbitan derivative, and the double theophylline-thiocyanate compound is included for the known action of those substances in circulatory disorders. Other drugs that have a lipotropic action include choline, inethionine and heparin. Nicotinyl alcohol and many other vasodilators have also been used, and the former, with acetylcholine and pyridostigmine, is present in Ronicol Compositum.

RARICAL,—Chemistry: Ferrous calcium citrate with tricalcium citrate, The daily requirements of iron and calcium rise sharply during pregnancy and lactation, and dietary supplements become necessary. Many iron compounds are poorly tolerated. Even when not rejected they may not be adequately absorbed. Iron and calcuim citrate causes no gastric disturbance, and gain a higher haemoglobin response than

ferrous sulphate. Additional calcium is provided by the tricalcium citrate. Other preparations containing mineral supplements, some with added vitamins, include Caldeferrum, Cadroson, Complevite, Dicaldimin, Epitone, Gevral, Minacedin, Minadex, Pregnavite, Prenatal, and Viterra. Plesmet, Sytron and Ferroids are examples of newer iron compounds that are less irritant and better tolerated than the established inorganic salts of iron.

TRIPLOPEN-S.—Constituents: Soluble, procaine and benzathine penicillins with streptomycin. The combined initial effect of the soluble penicillin and streptomycin, sustained by the longer-acting penicillin compounds, ensures adequate response in many infections from a single injection. Other penicillin and streptomycin preparations include Distavone (potassium penicillin, procaine penicillin and dihydrostreptomycin), Seclomycin (sodium penicillin, procaine penicillin with streptomycin), and Estomycin (penethamate with streptomycin). Single-dose penicillin products are represented by Penidural-all-purpose and Triplopen.

PEROLYSEN AND TENORMAL. — Chemistry:
Pempidine, or 1:2:2:6:6-pentamethylpiperidine
tartrate. The introduction of the substance
under two different names is an interesting
example of two research teams, working independently and contemporaneously, following
similar lines of research to the same conclusion. Pempidine is a ganglion-blocking agent,
and its action resembles in general that of

mecamylamine. Absorption and exerction are rapid, and that limits the duration and severity of any side effects. It should be noted that any alkalisation of the urine may interfere with the exerction of the drug, and a variable increase in the hypotensive effects may occur. Other ganglion-blocking agents used in hypertension include hexamethonium (Vegolysen), tetraethylammonium (Beparon), pentolinium (Ansolysen), ehlorisondamine (Ecolid), and mecamylamine (Inversine).

DISTIVIT. — Chemistry: Cyanocobalamin-peptide complex. Dictary vitamin B12 exists as a protein-pound complex, and recent work suggests that, before the vitamin can be absorbed, the complex must be broken down by proteolysis into a relatively low-molecular-weight peptide. That peptide complex, being diffusible, is absorbed without difficulty. In pernicious anæmia patients the protein breakdown is inadequate, the vitamin is not absorbed, and supplementary amounts of cyanocobalamin by injection are necessary, Oral treatment with vitamin B₁₂ is not satisfactory, a fact that suggests that the peptide moiety is necessary for absorption. variable results obtained with earlier oral products were possibly due to variations in the molecular size of the protein components; in Distivit the nature of the peptide complex is less variable, and the ratio of peptide to the vitamin is also controlled. Other oral preparations, presenting cyanocobalamin in association with hog stomach extracts (which contain the so-called intrinsic factor), are represented by Biopar, Bitrinsie and Bifacton, Iberol is a basically similar preparation, but it contains ferrous sulphate and vitamin additives.

MICROGRAPHS ON DISPLAY

A First Annual Exhibition

"MICRO 58" was adopted as the title of a first annual exhibition of micrographs arranged by the Royal Microscopical Society and held in London, July 23-30. The aim of the exhibition, which was opened by Sir William H. Ogilvie (consulting surgeon, Guy's Hospital) was "to improve the standards of microscopical work." In his opening remarks Sir William said that man had considered himself the dominant factor in the life of the world until microorganisms, demonstrated by the microscope and previously unknown, had been shown to be capable of overcoming and killing the strongest. The president of the Microscopical Society also spoke. In a reference to extensions and improvements that had been introduced into the microscope he said, "the capabilities of modern instruments demanded new, complex and ingenious techniques which the science graduate did not study in his curriculum. That was a weakness which showed itself in the microscopy accompanying research papers, books and development work. The exhibition, comprising close on

500 exhibits, was arranged in five sections: industrial, medical, metallurgical, research and investigation, and biologi-Throughout those sections micrographs produced with electron, x-ray, ultra-violet and flying-spot microscopes were on show, as well as work done by interference, phase contrast, dark field, polarising and optical microscope techniques. Among many exhibits of a most unusual nature, and demonstrating exceptionally high standards, examples of stereoscopic electron microscopy were outstanding; subjects of transparencies included dental enamel, artery walls, cabbage leaf, calcium phosphate crystals, polyethylene film and diffraction grating. Some applica-

tions of microphotography colour transparencies demonstrated advantages over black-and-white reproductions. One enlarged colour transparency of riboflavin crystals was especially noteworthy. Colour prints of methoxypenta-methyl-flavon solid forms demonstrated the unusual physical characteristics of that chemical (which occurs in spherical masses composed of submicroscopic crystalline regions associated with amorphous material). Other notable subjects were endosperm mitosis; Spirogyra cytology (demonstrated by ordinary and ultra-violet light); an aggregation of colloidal thorium, from a radiological contrast medium, in the organs of a frog; the life-cycle of Aspergillus; the root cap of the growing plant Acer saccharinum. The uses of selective chemical colour indicators were demonstrated in micrographs showing purple dcoxyribonucleic acid in kidney tissue, pink ribonucleic acid in liver cells, blue granular of a glucusonidase in kidney ules of β -glucuronidase in kidnev tubule cells and in bronchial epithelium, and brick-red granules of esterase (also in kidney-tubulc structures). The recent technique of producing fluorochromes, by which a fluorescent substance is coupled with a specific "anti-" substance, was also illustrated. In vitro reactions occurring in immunology and serology were indicated in u.v. light, recording the release of fluorescent material. Electron microscope subjects suggested how the technique, exploited to its maximum potential, may be capable of recording detail down to dimensions of five to ten atoms' diameter. The organisers acknowledged the cooperation of R. & J. Beck, Ltd., Ilford, Ltd., Imperial Chemical Industries, Ltd., Kodak, Ltd., and Philips Research Laboratories, Ltd., Eindhoven, Holland.



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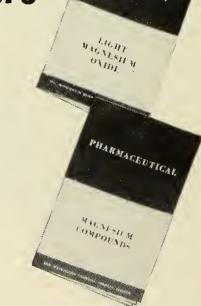
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Picture of a Pharmacist



with all the right answers

Here is a man with all the answers on magnesium chemicals. The two books we sent him in response to an enquiry gave him complete information about our magnesium products — oxides, carbonates, hydroxides and trisilicates and told him something about the research organisation which has put and kept these products at the top of their class. You are cordially invited to write or telephone for copies of these two booklets.



THE WASHINGTON CHEMICAL

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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

London, July 30: With many works closed for annual holidays, business in all sections of the market has been quiet and the few price changes that occurred, therefore, were of a minor nature.

Among Crude Drugs quotations for Cochineal were lower with the black-brilliant quoted at 20s. 6d. per lb. against 25s. recently. Peruvian silver-grey was also lower at 6s. 6d. against 7s. 5d. Gum acacia held its recent increased price but the various Peppers were more than one penny down. The position of IPECACUANHA was substantially unchanged with the exception that a parcel of Colombian was offered for shipment. Senega continued its downward trend at origin with offers at 11s. 6d. against 12s. 6d., c.i.f., in the previous week. Whilst African Ginger tended to be firmer on the spot Jamaican lost 5s. per cwt. on the spot and shipment, 10s. Chinese Menthol was unchanged at its recent higher level both spot and forward but holders of Brazilian material lowered their quotations by sixpence per lb. Mercury was £1 per flask dearer at £79 per 76-lb.

Among Essential Oils, Rosemary and Lavender spike were marked up by sixpence and one shilling per lb., respectively.

respectively.

The price of all ZINC OXIDES were reduced by 30s. per ton on July 28.

Pharmaceutical Chemicals

ACETANILIDE.—1-cwt. lots are 2s. 10d. per lb. for crystals and 5-cwt., 2s. 9d. Powder is 1d. per lb. more.

ACETIC ACID. — B.P. glacial in 10-ton lots is £104 per ton naked and technical £91. Carboys are £8 and demijohns, £10 per ton extra. Single carboys cost 1s. 8d. per lb. (3s. 8d. per kilo).

ADRENALINE. — Rates for synthetic B.P. are from 1s. 1d. (500-gm. lots) to 1s. 6d. (10-gm.) per gm. and ACID TARTRATE, B.P., from 9d. to 1s.

ALOIN. — Spot offers (14-lb. lots) are 28s. 9d. per lb.

ALUMINIUM HYDROXIDE.—One-cwt. lots of B.P.C. 1943 are 3s. 3d. per lb.

AMIDOPYRIN.—Minimum rate is 25s. 2½d. per lb. with usual differentials for smalls.

AMYLOBARBITONE. — B.P.C. is 77s. 6d. per kilo for minimum 25-kilo lots and SODIUM, B.P.C., 87s. 6d. per kilo.

BARBITONE.—Rate for less than 25-kilo lots is 53s. 6d. per kilo. The SODIUM derivative is 56s. 9d. per kilo.

BARIUM SULPHATE. — 250-kilo lots of B.P. (x-ray) are now 3s. $3\frac{1}{2}$ d. per kilo.

BUTOBARBITONE. — B.P.C. is 82s. 6d. per kilo in minimum 25-kilo lots.

CAFFEINE. — Minimum rates for 5 cwt. or 250-kilos and over are as follows (kilo price in parentheses): —MONOHYDRATE, 17s. 6d. per lb. (38s. 9d.); ANHYDROUS, 18s. (39s. 9d.); CITRATE, 11s. 6d. (25s. 3d.); and SODIUM BENZOATE, 13s. 3d. (29s. 3d.); and SODIUM IODIDE, 22s. 6d. (49s. 6d.); and SODIUM SALICYLATE, 14s. 9d. (32s. 3d.).

CALCIUM CARBONATE. — B.P. light-precipitated powder is £32 per ton, ex store.

CALCIUM CHLORIDE. — B.P. crystals are 1s. $3\frac{1}{2}$ d., and granulated, $10\frac{1}{2}$ d. per 1b. in 1-cwt. lots.

CARMINE.—Price is 90s. per lb. for 1-cwt. lots.

COCAINE.—For 16-oz. lots the price of

the HYDROCHLORIDE is 91s. 6d. per oz. and ALKALOID, 101s. Subject to D.D.A. regulations.

CYCLOBARBITONE.—B.P.C. and CALCIUM in 25-kilo lots or over is 82s. 6d. per kilo.

HEXOBARBITONE. — In 25-kilo lots the price is 115s. per kilo. Sodium salt is 125s.

METHADONE HYDROCHLORIDE. — Price is from 2s. to 2s. 6d. per gm. as to quantity. Subject to D.D.A. regulations.

OPIATES.—Home trade prices (per oz.) are as follows (subject to D.D.A. Regulations):—

| | | 35 oz ov | | Und 35 of | |
|----------------|---|-------------|-----|--------------|----|
| | | | d. | S. | d. |
| Codeine | | | + | | |
| PHOSPHATE | | 41 | 0 | | 0 |
| HYDROCHI ORIDE | | 47 | 3 | | 3 |
| SULPHATE | | 47 | 3 | 48 | 3 |
| ALKALOID | | 54 | 0 | 55 | 0 |
| Morphine | | | | | |
| ACETATE | | 50 | 0 | 51 | 0 |
| HYDROCHLORIDE | | 50 | 0 | 51 | 0 |
| SULPHATE | | 50 | 0 | 51 | 0 |
| TARTRATE | | 60 | 0 | 61 | 0 |
| ALKALOID | | 61 | 3 | 62 | 3 |
| ETHYLMORPHINE | 1 | | - 1 | | |
| HYDROCHLORIDE | | 54 | 0 | 55 | 0 |
| ALKALOID | | 63 | 3 | 64 | 3 |
| DIAMORPHINE | | | | | |
| HYDROCHLORIDE | | 54 | 9 | 55 | 9 |
| ALKALOID | | 59 | 9 | | 9 |

PARALDEHYDE. — B.P. in 12-winchester lots is 2s. 7d. per lb.; 10-gall. carboy, 2s. 2d., and 5 carboys, 2s. Stabilised in 40-gall. drum lots, 166s. per cwt.; technical, 149s. per cwt.

Pentobarbitone sodium. — Minimum 25-kilo lots are 125s. per kilo.

PETHIDINE HYDROCHLORIDE. — B.P. 100-gm. lots, 100s. Subject to D.D.A. regulations.

PHENOBARBITONE. — Under 25-kilo lots are 52s. 3d. per kilo and sodium, 55s. 6d.

RESORCINOL.—1-cwt. lots are now quoted at 13s. per lb. by manufacturer.

ROCHELLE SALT. — Rates (per cwt.) for powder or granulated material are as follows:—In 5-cwt. lots or over, 200s. per cwt.; 1-cwt., 202s. 6d. SEIDLITZ POWDER, ordinary strength is 160s. 6d. per cwt. in 1-cwt. lots; smalls, from 2s. to 2s. 3d. per 1b. Extra strong is 172s. 6d. per cwt., and from 2s. 1d. to 2s. 4d. per 1b. for small quantities. Double-strength is 180s. per cwt.; smalls, 2s. 2d. to 2s. 5d. per 1b.

Salicylic acid.—Prices are now: 5-cwt. lots in bulk, 3s. $0\frac{1}{2}d$. per lb.; 1-cwt. 3s. $2\frac{1}{2}d$.

SILVER SALTS. — PROTEIN, 36s. 3d. to 42s. 9d. per 1b.; VITELLIN from 68s. 6d. to 76s. 6d. per 1b. as to quantity.

SULPHACETAMIDE. — Quotations (per lb.) for 1-cwt. lots are 24s. 6d. The SODIUM derivative is 30s.

SULPHAGUANIDINE.—Manufacturers' rates for 1-cwt. lots are about 11s. per lb.

SULPHANILAMIDE. — Manufacturers' rates for 1-cwt. lots are 5s. 9d. per lb.

SULPHATHIAZOLE. — Price (per 1b.) for 1-cwt. lots is 16s. 6d.

SULPHUR.—B.P. PRECIPITATE in 1-ton lots is £120 per ton, delivered ex works.

Tartaric acid. — Rates for the home trade as as follows:—10-cwt. lots, 280s. per cwt.; 5-9 cwt., 282s.; 2-4 cwt., 284s.; 1-cwt., 285s.

TERPINEOL. — Prices of B.P. grade are

from 3s. to 3s. 6d. per lb. as to quantity.

TERPIN HYDRATE. — Prices are from 6s. per lb., upwards as to quantity.

THEOBROMINE. — ALKALOID is from 24s. 6d. per lb. and SODIUM SALICYLATE, 22s.

UREA.—Manufacturers' rates for pharmaceutical grade are £63 per ton in 1-cwt. bags non-returnable. Technical quality is £44 10s. per ton.

ZINC OXIDE.—Lower by 30s. per ton. B.P. quality in 2-ton lots is now £100 10s. per ton; 1-ton, £101 10s.; 5-cwt. £108 10s.

Crude Drugs

AGAR.—Kobe is 11s. per lb., duty paid. New crop for shipment, 9s., c.i.f.

ALOES. — Cape prime on the spot is 250s. per cwt.; shipment, 220s., c.i.f.

ANISE (STAR).—Chinese is 130s. per cwt. c.i.f. and 140s. spot in bond.

Areca NUTS. — F.a.q. quoted at 60s. and selected, 140s. per cwt. landed.

BALSAMS. — Quotations per lb. are:—Canada: Spot, 25s. Copaiba: Para from 8s. to 10s., duty paid. Peru: Spot, 11s. Tolu (genuine as imported): 24s. 6d.; B.P., 17s.

BELLADONNA.—Herb is 2s. 6d. per lb. on the spot. Root is 1s. 6d. spot; shipment, 1s. 3d., c.i.f.

Benzoin.—Sumatra No. 1 block on the spot is 520s. to 540s. per cwt. (465s., c.i.f.)

Buchu.—Spot rounds are 6s. 9d. per lb. and shipment, 6s., c.i.f.

CALAMUS. — Dutch root is quoted at 1s. 4d. per lb., c.i.f.

CAMPHOR.—B.P. POWDER is from 5s. per lb., duty paid. Tablets, \(\frac{1}{4}\)-oz. are 6s., in bond.

CAPSICUMS. — East African are from 150s. to 200s. per cwt. on the spot.

CARDAMOMS.—Aleppy greens are 15s. 6d. per lb. on the spot; shipment, 14s. 6d., c.i.f. No. 1 seed for shipment, 19s. 3d., c.i.f.; spot, 24s.

CASCARA.—Spot 1957 peel, 260s. per cwt. 1958 peel, shipment, 205s., c.i.f.

CASSIA. — Selected whole bark for shipment is 187s. 6d. per cwt., c.i.f., and extra-selected broken, 182s. 6d., c.i.f. Spot: Whole 215s. in bond nominal. *C. fistula*, new crop, 110s. per cwt.

CHERRY BARK. — Thin natural is 1s. 5d. per lb., and rossed 1s. 11d.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOOO, 6s. 9\frac{1}{4}d.; OOO, 6s.; OO, 6s. 7d.; seconds, 5s. 4\frac{1}{2}d.; featherings, 1s. 11\frac{1}{2}d.; quillings, 4s. 3\frac{1}{4}d.; chips, 11\frac{1}{2}d.

CLOVES. — Zanzibar on the spot are quoted at 3s. 2½d. per lb., shipment, 2s. 8d., c.i.f.

COCHINEAL.—Silver-grey Peruvian quoted 6s. 6d. per 1b., c.i.f., spot; Canary Isles black-brilliant, 20s. 6d.

COLOCYNTH PULP.—Spot, 3s. 9d. per lb., duty free.

DIGITALIS LEAF.—Purpurea (1956 crop), is offered at 1s. $2\frac{1}{2}$ d. per lb., c.i.f.; 1957 crop, 2s. 6d. to 2s. 7d., c.i.f.

ERGOT.—Portuguese is 5s. 6d. per 1b., c.i.f., for prompt shipment and 6s. spot, American, 5s. 9d., spot.

GINGER.—African, 105s. per cwt. on the spot; new crop for shipment, 95s., c.i.f. Jamaican No. 3 on the spot is 300s. per cwt. August shipment (new crop), 240s., c.i.f.

GRINDELIA.—Herb is quoted at 2s. 6d. per lb.

HENNA.—Indian is unobtainable on the spot.

HONEY. — Australian light-amber is 115s. 6d. to 120s. 6d. and medium amber 102s. 6d. to 107s. 6d. Argentine 132s. 6d. to 137s. 6d.; Jamaican 135s. to 140s.; New Zealand clover, 160s. to 170s.; all per cwt. on the spot.

HYDRASTIS. — Spot 31s. per lb.; forward, from 28s. to 29s. 6d., per lb., c.i.f. HYOSCYAMUS.—Dutch leaves (niger), are 1s. $6\frac{1}{2}$ d. per lb., c.i.f., prompt shipment.

lpecacuanha.—Matto Grosso, 54s., per lb., spot. Shipment, no offers. Colombian quoted at 54s., c.i.f., and 60s., spot.

JALAP ROOT. — Spot cleared. A parcel to arrive quoted at 5s. per fb., c.i.f., basis 15 per cent.

KOLA NUTS. — Jamaican are offered at about 8d. per lb. spot, and $6\frac{1}{2}$ d., c.i.f. African 5d. to $5\frac{1}{4}$ d. spot and $4\frac{1}{2}$ d., c.i.f.

Krameria.—Root is quoted at 90s, per cwt., duty free.

Lanolin. — Aniiydrous, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and Hydrous, B.P., 150s., free drums, delivered.

LIQUORICE. — Natural root: Persian to arrive is 45s. per cwt. Block juice: Anatolian, 200s. to 210s. per cwt., as to quantity. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 2s. 10½d. per lb.

MERCURY, — Price per flask (76 lb.) is £79 on the spot.

NUTMEGS. — West Indian 80's, 17s. per lb., spot; sound unassorted, 13s. 6d.

Orange Peel. — West Indian bitter quarters are 11d. per lb.; Spanish, Is. 3d. to Is. 6d., as to quality; thin-cut Tripoli, 2s. 3d.

ORRIS ROOT. - Florentine is 330s, per cwt. Short at origin.

Papain. — Shipment (c.i.f.) value is 25s. per lb. for East African grade one. PIMENTO.—Spot is 585s. per cwt.

QUASSIA. — Chips on spot are offered at 55s. per cwt. and for shipment at 32s. 6d., c.i.f.

QUILLAIA.—Spot offers of whole bark at 165s. per cwt.; cut, 197s. 6d.; crushed, 200s. Whole for shipment, 115s., c.i.f.

RAUWOLFIA. — Canescens, 2s. per lb., c.i.f.; Vomitoria, 2s. 3d., c.i.f.; Serpentina, 6s., c.i.f. asked.

RHUBARB. — Chinese offering about 6s. er lb., as to quality. Best grades not per lb., as to quality. available on spot.

Sarsaparilla.—Jamaican native red on the spot is 2s, 5d. per lb. Shipment, 2s. 3d., c.i.f.

SEEDS. — (Per cwt.). Anise.—Cyprian, 165s.; Spanish. 160s., duty paid, both spot. Caraway. — Dutch offering at 87s. 6d., spot, duty paid. Celery.—Indian quoted at 175s. spot; shipment, 145s., c.i.f. quoted. — Corlander. — Moroccan on spot. at 175s. spot; shipment, 145s., c.i.f. quoted. Coriander. — Moroccan on spot, 62s. 6d., duty paid; Polish, 52s. 6d., duty paid and 46s., in bond. Moroccan newcrop for shipment firm at 47s., c.i.f. Cumin.—Firm, with little offering on spot at 225s. nominal. For shipment Cyprian is quoted up to 215s., c.i.f. and Iranian. 190s., c.i.f. Dill.—Indian is unchanged at 70s. on spot. Fennel.—Indian quoted 180s. to 185s. spot, and Chinese, 157s. 6d., duty paid. Fenugreek.—Moroccan offering at 49s., duty paid. The shipment price is 35s., c.i.f. Mustard.—English 67s. 6d. to 75s., according to quality.

Senega.—Spot is 15s. 6d. per lh.; ship-

SENEGA.—Spot is 15s. 6d. per lh.; shipment. 11s. 6d., c.i.f.

SLIPPERY ELM. — Grinding quality bark is 2s. 7d. per lb.

TURMERIC.—Madras finger is 60s. to 62s. 6d. on the spot; August shipment, 59s. 6d. to 61s., c.i.f., quoted.

VALERIAN ROOT. — Spot: Indian (with rootlets) is 130s, and Belgian 175s, to 195s, per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 168s., c.i.f.

Vanillin.—Rates (per lb.) are now: 5-cwt. lots, 25s. 3d.; 1-cwt., 25s. 6c56-lb., 25s. 9d.; smaller quantities, 26s.

Essential and Expressed Oils

Almond. — British oil is 9s. per lb. Moroccan, 6s. 9d., in bond.

AMBER.—Rectified on the spot is 1s. 6d.

Anise.—Chinese, 8s. $1\frac{1}{2}$ d. per lb., spot; shipment, 7s. 9d., c.i.f.

BAY.—West Indian is 12s. 6d. per lb. on the spot.

BERGAMOT. Spot supplies are from 86s. 6d. per lb.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

Bois DE ROSE.—Brazilian is 19s. 6d. per lh. on the spot and 17s., c.i.f

CADE.—Spanish is 2s. 6d. per lb. for

CAJUPUT. - Spot supplies are from 10s. per lh.

Calamus.—Spot quotations are 62s. 6d. per lb.

CAMPHOR, WHITE.—Chinese is 1s. $10\frac{1}{2}$ d. per lb., in bond.

Cananga. -- Spot is from 47s. 6d. to 50s. per lb.

CARAWAY.—English-distilled is offered at and imported from 26s. to 27s. 6d. per lb.

CARDAMOM. — Price per lb. is 350s. for English-distilled and 267s. 6d. to 297s. 6d. for imported. from

Cassia.—Spot is 13s. 4d. per lb.; shipment, 13s. $4\frac{1}{2}$ d., c.i.f.

CASTOR. — Minimum charge for home-produced B.P. oil on the spot is £148 per ton naked ex mill. Forward delivery, £5 to £10 per ton less, as to date.

CEDARWOOD.—1-cwt. lots of American are 5s. per lb. and Kenya, 4s.

CELERY SELD. — Oil is 92s. 6d. per lb. for bulk lots.

CINNAMON.—From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot, 11s. 6d. per lb.; shipment, 10s. 10½d., c.i.f.; rectified, 15s. per lb.; Seychelles, 6s., spot, shipment, 5s. 7½d.

Cod-Liver. — B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER. - B.P. oil is quoted from 70s. per lb.

CUMIN.—Quotations for English-distilled oil are about 90s. per lh.

Dill.—B.P. imported is 30s. per lb.

EUCALYPTUS.—Australian 70 to 75 pcr cent. eucalyptol on the spot is 4s. 9d. per lh. 80–85 pcr cent., 5s. 6d. Spanish (70–75), 4s. spot.

FENNEL.—Spanish sweet on the spot is quoted at 9s. 6d. per lb.

GINGER. — English-distilled oil is 160s. per lb. Imported: Jamaican, 130s.; Chinese, 100s. duty paid.

JUNIPER. — B.P.C. 1949 oil is from 9s. per lh. on the spot. English-distilled is 155s. JUNIPER WOOD, from 5s.

LAVANDIN.—Spot is from 10s, to 12s. 6d. per lh. for original drums.

LAVENDER.—French oil, 40-42 per cent. is at 50s, per lb.

LAVENDER SPIKE. — Spanish is at 16s. to 17s. per lb. for original drums.

LIME.—West Indian distilled is in the region of 60s. per lb. on the spot.

OLIVE.—French is 21s. 6d. to 23s. per gall, on the spot, for B.P. quality.

O1TO OF ROSE. — Nominal. New crop reported a failure in Turkey.

PATCHOULI. — Penang is 27s. 6d., duty paid and 22s. 6d., c.i.f. per fh. Seychelles is quoted at 31s., spot.

PENERPOYER. — Spot. is greated for

Pennyroyal. — Spot is quoted from 17s. 6d. per lb., duty paid.

ROSEMARY. — Spanish is 9s. per lh. on the spot for hest quality.

HERB CROPS, 1958

THE following medicinal herb crop report for 1958 has been received from the farms of Stafford Allen & Sons, Ltd., Long Melford, Suffolk:—

The weather conditions early this year made it difficult to cultivate the land and the late frosts in May gave the crops a severe check. That was offset by the spring and early summer being one of the wettest for many years. which resulted in the rapid growth of green crops.

BELLADONNA HERB—The crop has done extremely well and the first cut was excellent. With favourable weather conditions it is expected that a second cut will be able to be made later in the season.

CHAMOMILE—The severe frost in the spring made it very late before the crop could be planted out but the wet weather has suited it and it looks now in good condition.

CLARY SAGE—A bumper crop with a

good yield of oil is expected.

DIGITALIS—The heavy rains have resulted in a lot of growth but they may make it difficult to cut and to dry. It is hoped, however, that the final crop will be up to the usual high standard.

DILL—This crop is looking very well indeed, and given some dccent sunny weather should have a good yield of seed containing a lot of oil.

Hyoscyamus—The first cut of the second-year herb was good but the excessive wetness and lack of sunshine has affected the first-year crop, which is not looking quite so well.

LAVENDER—Further plantations have been set out during the year and although the flowers are rather back-ward this season, it is, nevertheless, hoped to obtain a good yield of oil.

Parsley—The acreage of parsley which was left for seed has made good growth but here again more sunshine is needed to ripen the seeds before they arc harvested for oil.

PEPPERMINT—Our beds have been extended on to ploughed up meadow land which had been under grass for a great number of years. As a result, the plants have made excellent progress. If a spell of sunny weather arrives, it is expected that there will be some very good English peppermint oil.

POPPY PETALS—Although each year it becomes increasingly difficult to find fields in which these have been allowed to grow (due mainly to the fact that many farmers spray their fields and crops with weedkiller) our usual collection of these has been made.

UNITED STATES REPORT

NEW YORK, JULY 29: The market for Antibiotics has been dull. Good seasonal demand for CITRIC ACID was noted. Higher per lb. were STYRAX at \$3.75 (up 75 cents), and GUM ACACIA amber sorts, at 183 cents, up a halfcent. Lower per lb. was purified PAPAIN at \$8.50, down 50 cents. Higher per lb. among Essential oils were Formosan Citronella oil at 63 ccnts (up six cents); and native Lemongrass, at 95 cents (up five cents). Lower per lb. were CEDAR LEAF at \$2.75 (down 35 cents); PETITGRAIN, \$2.25 (five cents); BOIS DE ROSE, \$2.00 (15 cents).

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies. Where known, the number of appearances of the product during the week is shown in parentheses.

August 10-16 LONDON

lka-Seltzer, Beecham's pills (2). Drone (2). Cuticura. Daxaids (3). Damaskin, Digestif Alka-Seltzer. Rennies

Eno's Fruit Salt. Gleem (2). Ingram's shaving cream (3). Knight's Castile soap (7).

Maclcan's indigestion remedies (3). Max Factor crême puff, Mix-a-shake (4). Nervone, Optone. Phensic (3).

Silvikrin leaf shampoo, hair cream. Sprinkleen (2). Vosene shampoo. Yeast-Vite (2),

MIDLAND

Amami wave set (2). Alka-Seltzer (2). Beecham's pills (2), powders. Bristow's shampoo, Brylcrecm. Cuticura. Dento, Digestif Rennies (4).

Eno's Fruit Salt (2), Gleem, Germolene, Hiltone (2), Ingram's shaving cream (3), Knight's Ingram's shaving cream (3). Castile soap (7).

Maclean's indigestion remedies (3), tooth-paste.

Max Factor crême puff (2), Mellajuce, Meggeson's dyspepsia tablets (2), Milk of Magnesia (2), Mix-a-Shake (3), Moorland indigestion tablets (2). Phensic (3), Ouickies (2),

Silvikrin leaf shampoo, hair cream. Sprinkleen. Vosene shampoo (2). Yeast-Vite.

NORTH

Amami wave set. Alka-Seltzer, Beecham's pil's (3), powders (3), Bristow's shampoo, Brylcreem (4). Cephos (4). Delsey (3), Digestif Rennies (4), Dinneford's. Drene.

Eno's Fruit Salt (2). Fynnon salt, Gleem (2). Germolene (3), Hiltone (2). Ingram's shaving cream (3), Knight's Castile soap (7),

Maclean's indigestion remedies (3). Max Factor crême puff, Meggeson's dyspepsia tablets (2). Milk of Magnesia (2), Mix-a-Shake (3), Moorindigestion tablets (2). Optabs, Phensic land (3). Phyllosan (3).

Setlers (5). Silvikrin leaf shampoo, hair cream. Sprinkleen, S.R. tooth-paste. Sunsilk shampoo (2). Vaseline hair cream (3). Vosene shampoo (3), Yeast-Vite (2).

SCOTLAND

Amami wave set (3), Askit (7), Alka-Seltzer (2), Beecham's pills (3), Dinneford's (2),

Eno's Fruit Salt (2), Gleem (4), Maclean's indigestion remedies (3), tooth-paste. Max Factor crême puff, Milk of Magnesia. Phensic (3).

Silvikrin pure, leaf shampoo, Simpkins, Sprinkleen, S.R. tooth-paste (4), Vapex, Vosene shampoo. Yeast-Vite.

WALES

Amami wave set (3). Alka-Scltzer (3). Beecham's pills (3), Brylcreem (3), Delsey.

Eno's Fruit Salt (2), Germolene (4), Gleem (5), Hiltone (2). Knight's Castile soap (6),

Maclean's indigestion remedies (3), tooth-paste (2). Max Factor crême puff (2), Phensic (4). Silvikrin pure, leaf shampoo (2). Yeast-Vite.

PRINT AND PUBLICITY

Price Lists

POLAK & SCHWARZ, 50 Great Cambridge Road, Enfield, Middlesex: Aromatic chemicals, July-Scptember, 1958.

PUBLICATIONS

Booklets and Leaflets

MARCHON PRODUCTS, LTD., Whitehaven, Cumberland: "Empilan MAA and MAB." Folder.
HENRY SIMON, LTD., Cheadle Heath, Stockport: "St. Martins Nylon Sifting Cloth." Pp. 8.

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists. ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2: "Choledyl Syrup" (information (information card).

ARMOUR LABORATORIES (ARMOUR CHEMICAL IN-DUSTRIES, LTD.), Hampdon Park, Eastbourne, Sussex: "Hydrocortisone Acetate Snuff Cap-Sussex: "Hydrocor sules" (4-p. folder).

BENGUE & Co., LTD., Mount Pleasant, Alperton, Middlesex: Wembley, " Bengue's balsam (blotter).



"DELTA WING" DISPLAY MATTER: In launching their Philishave Jet electric shaver (see p. 116) Philips Electrical, Ltd., London, W.C.2, have produced arresting, novel and appropriate show material, of which the piece illustrated is a typical example,

THE BRITISH DRUG HOUSES, LTD., Graham Street, THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1: "Ancolan" (information card). BRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8: "Oblivon" (information card). "Neo-Mercazole". "Albucid eye drops" (information cards). "Oblivon C" (4-p. booklet). "Oblivon" (information card). DAMANCY & Co., LTD., Ware, Herts: "Successfull Technique with Specialised Opaques" (52-p. booklet).

(52-p. booklet).

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 24: "Coscopin" (7-p. booklet). "Collubarb" (4-p. booklet). "Ergo-Rondase" (4-p. booklet).

booklet).

EIGY PHARMACEUTICAL Co., LTD., Rounds...

ESIAte, Wythenshawe, Manchester, 23:

"Eurax" (folder). "Irgafen" (4-p. booklet).

"Parpanit" (4-p. booklet). "Sinthrome" (24-p. booklet).

"Siogen" (4-p. booklet). "Teevex" GEIGY PHARMACEUTICAL CO., LTD., Roundthorn (24-p. booklet). "Siogen" (4-p. bo "Tabafen" (4-p. booklet). "Te (folder). "Tromexan" (12-p. booklet).

GLAXO LABORATORIES, LTD., Greenford, Middlesex: "Corticoid Preparations" (6-p. booklet); "Triplopen-S" (information card); Predsol ear and eye preparations. "Glaxo oral antibiotics (information cards).

PHARMACEUTICAL SPECIALITIES (MAY LTD., Dagenham: "Stemetil in Psychiatry" (23-p. booklet); "Largactil," Thalazole," "Ansolysen," "Thalazole " (information cards). "Anthical Lotion" (blotter). "Ansolysen" (folder and blotter); "Perolysen" (4-p, booklet).

R. SQUIBB & SONS, LTD., 17 Old Bond Street, London, W.1: "Adcortyl." Pp. 5,

DISPLAY

D. & W. Gibbs, Ltd., Hesketh House, Portman Square, London, W.I. S.R. tooth-paste, dis-play cards, wall stickers, counter stands.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," July 23

For cosmetic preparations (not being toilet pre-

EKSTSET, EXZET, 758,656-57, by Berner Osakeyhtio, Helsingfors, Finland.

For all goods but not including toilet articles (3) Device, 775,057, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne.

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, soaps and essential oils (3)

ODO-MATIC, 775,605, by Northam Warren, Ltd., London, S.E.1. RHAPSODY IN BLACK, 776,454, by Cussons, Sons & Co., Ltd., Kersal, Manchester.

For bath essences being non-medicated toilet pre-

QUESSENCE, 776,499, by Stanley Z. Jackson (Chemists), Ltd., Castleford, Yorks.

For chemical preparations for repelling birds and rodents (5)

Device with words ROOST NO MORE, 770,797, by National Bird Control Laboratories, Skokie, Illinois, U.S.A.

For pharmaceutical preparations, antiseptics and surgical dressings, all for use by spraying (5) SPRAY-PLAS, 771,239, by Delavelle (G.B.), Ltd., London, N.I.

For medical and surgical plasters; materials prepared for bandaging; first-aid outfits; and fitted boxes and cases for bandages or first-aid outfits

KLINTEX, 771,942, by Robert Whitelaw (Newcastle), Ltd., Newcastle-on-Tyne.

For all goods (5)

REPASIN, 772,981, by Imperial Chemical Industries, Ltd., London, S.W.I. ANCOVERT, 775,284, PROPCO, 776,925, by The British Drug Houses, Ltd., London, N.1.

For azine chemical compounds for use in medi-

cine and pharmacy (5)
STELAZ1NE, 772,994, by Smith, Kline & French Laboratories, Ltd., London, S.E.5.

For pharmaceutical substances and preparations (5) GERONORM, 773,554, by Wallace Manufacturing Chemists, Ltd., London, N.W.3.

For pharmaceutical preparations in tablet form (5)

RESITABS, 774,531, by Clinical Products, Ltd., Richmond, Surrey.

For all goods, but not including deodorants or antiperspirants for human use or any goods of the same description (5)

FRAMYGEN, GENOFRAM, 775,553 - 54, FRAMYCORT, 775,556, by Genatosan, Ltd., Loughborough, Leics.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Advance Information

INSTITUTE OF BIOLOGY, Royal Geographical Society, Kensington Gore, London, S.W.17, September 25–26, Symposium on "The Effects of Pollution on Living Material." Speakers are dealing with the effects of pollution on the organisms living in rivers and estuaries, the results of air pollution's affecting plants, animals and the problem arising from the pollution of water, land and air by radioactive substances. Programmes are available from the Institute at 41 Queen's Gate, London, S.W.7.

LUTON CHAMBER OF TRADE, Luton community centre, Chapel Street, at 2.30 p.m., on October 21. Conference on "Efficient Retailing," Ticket (price 10s. 6d.) available from Miss B. Lofthouse, Chamber of Commerce Building, George Street West, Luton.

NATIONAL CHAMBER OF TRADE, town hall, Leamington Spa, October 4-7. Autumn trade confer-



STATION POSTER: Illustration shows railway travellers looking at a poster 13½ ft. long by 10 ft. high (the illustration of the baby alone is 8 ft. high) that was recently put on display on the main-line platform at Guildford station, Surrey. The background is "a blaze of yellow," with contracting red at the background. with contrasting red at the base,

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; 1.R.P. = Inclusive Retail Price; * = Tax 30 per cent.; ‡ = Tax 60 per cent.

| BURROUGHS notel | WELLCOME | & | co. | [corrected |
|--------------------|----------|---|-----|------------|
| motel | | | | LR.P. |

Tahlax tablets* 2 1½ A 5 10 A 2 5½ A 100 20 gm. Sketofax eream*

CLAY & ABRAHAM (MNFG.), LTD.

| | Doz. | | | | | |
|----------|--------|---|---|--|--|--|
| Ulcanon* | 16 0 | 2 | 6 | | | |
| | 3 Doz. | | | | | |
| | 15 6 | | | | | |

COLGATE-PALMOLIVE, LTD, (from July 28)

| Halo shampoo* | medium | 12 | 3 | 1 | 8 | A | | |
|-------------------|---------|-----|---|---|---|---|--|--|
| | large | 18 | 5 | 2 | 6 | A | | |
| Lustre creme shan | ipoo* | | | | | | | |
| | tubette | - 5 | 7 | | 9 | A | | |
| | jar | 25 | 9 | 3 | 6 | A | | |
| | | | | | | | | |

DISTILLERS CO. (BIOCHEMICALS), LTD. (from August 11) Distaquaine V Sulpha tah- Each

lets 30 9 3 13 10! R
200 53 0 79 6 R
1,000 242 6 363 9 R
(Applications for credit on stocks held at closing time on August 8 should be sent direct to the company.)

| (from July 31) | | | |
|----------------|--|--|--|
| 8 07, | 4 | 0 | A |
| 1 oz, | 3 | -0 | A |
| 2 oz. | 3 | 6 | A |
| 1 oz. | 4 | 0 | A |
| 1 oz. | 4 | 0 | A |
| tin | 4 | 0 | A |
| Loz, | 3 | -6 | A |
| 1 oz. | 3 | 9 | A |
| 2 oz. | 5 | 6 | A |
| | | | |
| | 1 oz. 2 oz. 1 oz. 1 oz. 1 in 1 oz. 1 oz. | 8 oz. 4 1 oz. 3 2 oz. 3 1 oz. 4 1 oz. 4 tin 4 1 oz. 3 1 oz. 3 | 8 oz. 4 0 1 oz. 3 0 2 oz. 3 6 1 oz. 4 0 1 oz. 4 0 1 oz. 4 0 1 oz. 3 6 1 oz. 3 6 |

| | | - 2 | OZ. | 5 | - 6 | A |
|----------|------------|-----|-----|---|-----|----|
| | ichthammol | | | | | |
| dusting | powder* | | , | | | |
| | 50 gm. | | tín | | 10 | A |
| Schigen* | | -1 | OZ, | 3 | 7 | -A |
| Zicthol* | | -1 | OZ, | 3 | 7 | A |
| | | 2 | OZ. | 5 | - 5 | 1 |
| green* | | | OZ. | 4 | 0 | Α |
| | | | | | | |

LISTER INSTITUTE (distributors, MACAR-THYS (WHOLESALE CHEMISTS), LTD.) (from August 5) Lister vaccine lymph

single-dose tube 1 6 A

NEW PRODUCTS AND PACKS CREME SIMON (DISTRIBUTORS), LTD.

| | Doz. | | | |
|------------------------|------|----|---|--|
| Simosol sun-tan cream‡ | 43 0 | 7 | 6 | |
| Simofluid foundation: | 57 0 | 10 | 0 | |
| | | | | |

PAN BRITANNICA INDUSTRIES, LTD.
4 0

C. & D. RETAIL AND DISPENSING PRICE LIST

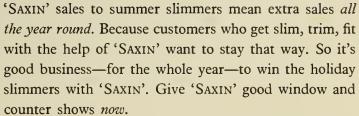
The drug index for July was 205.7

| C | ost | | 16 oz. | 4 oz. | 1 oz. | 1 dr. |
|------------|----------------------|---|-------------------------|-------------------|--|--|
| d. | per | ltem | s. d. | s. d. | s. d. | s. d. |
| 26 | 500 mils | Acid. acetic. dil | 2 11 | 0 10 | 0 3 | |
| 81 | 500 gm. | Acid. benzoic | 2 7 | () $9\frac{1}{2}$ | $0 - 1\frac{1}{2}$ | |
| 24 | 500 gm. | Alumin. hydroxid | | $0.9\frac{1}{2}$ | 0 3 | _ |
| 150 | 5 gm. | Atropin. sulphas S. 1 (4) | per | gr. | 0 4 | _ |
| 89 | 100 gm. | Caffein, citras | _ | - / | 3 10 | $0 - 6\frac{1}{2}$ |
| 144 | 500 gm. | Cera alba in massa | | 4 8 | 1 5 | 0 $2\frac{1}{2}$ |
| 150 | 500 gm. | Cera alba in placentis | | 4 10 | 1 5 | $0 	 2\frac{1}{2}$ |
| 72 116 | 500 mils 2 kilos | Dec. scoparii conc | | 2 4 | $0.8\frac{1}{2}$ | 0 1 |
| 83 | 100 mils | Emuls, paraff, liq Ext. grindeliæ liq., B.P.C. '49 | 3 3 | 0 11 | $\begin{array}{ccc} 0 & 3\frac{1}{2} \\ 3 & 6 \end{array}$ | 0 6 |
| 75 | 25 gm. | Ext. hamamelidis sicc | | | 3 6 | 1 7 |
| 66 | 500 gm. | Ferri oxid. præcip. rubr | _ | 2 1 | $0 - 7\frac{1}{2}$ | 0 1 |
| 120 | 500 gm. | Glycer. aluminis, B.P.C. '49 | _ | 5 0 | 1 6 | $0 2\frac{1}{2}$ |
| 168 | 500 gm. | Jalapa præp | _ | 5 5 | 1 8 | 0 3 |
| 84 | 500 mils | Lin. aconit. meth. S. 1 (5) | _ | 2 8 | 0.10 | $0 	 1\frac{1}{2}$ |
| 220 | 2 litres | Lin. methyl. salicyl., B.P.C | _ | 1 9 | $0 - 6\frac{1}{2}$ | 0 1 |
| 33 | $\frac{1}{2}$ gall. | Liq. calcii hydroxid | 0 10 | | | _ |
| 34 51 | 500 mits 500 mits | Liq. calcis chorinat Liq. ferri perchlorid. fort | 3 10 | 1 1 | $\begin{bmatrix} 0 & 4 \\ 0 & 6 \end{bmatrix}$ | 0 1 |
| 102 | 500 mis | Miles and Indiana Ca | - | 1 8 3 3 | $\begin{bmatrix} 0 & 6 \\ 1 & 0 \end{bmatrix}$ | $0 1 \\ 0 1^{\frac{1}{2}}$ |
| 183 | 500 mils | Ol. amygdalæ Ang | | 5 11 | 1 9 | 0 3 |
| 216 | 1 gail. | Ol. arachis | 2 9 | $0.9\frac{1}{2}$ | 0 3 | _ |
| 116 | 100 mils | Ol. lavand. spic. Gall., B.P.C. | | | 4 6 | 0 8 |
| 36 | 1 pt. | Ol. lini opt | 3 8 | 1 0 | $0 3\frac{1}{2}$ | _ |
| 38 | 100 gm. | Piper, alb. pulv | _ | _ | 1 8 | 0 3 |
| 33 | 100 gm. | Piper, nigr. pulv | - 1 | | 1 5 | $0 	 2\frac{1}{2}$ |
| 78 | 500 gm. | Potassii citras | | 2 6 | 0 9 | $0 1\frac{1}{2}$ |
| 216 38 | 500 gm. 500 gm. | Potassii iodidum | - | 6 11 | 2 1 | $0 3\frac{1}{2}$ |
| 38 84 | 500 gm. | Potassii sulphas pulv Pulv. stramon. co., B.P.C. '49 | | 1 3 2 8 | $\begin{bmatrix} 0 & 4\frac{1}{2} \\ 0 & 10 \end{bmatrix}$ | $0 1\frac{1}{2}$ |
| 66 | 25 gm. | Quinin. sulphas | _ | 2 8 | 0 10 | 1 4 |
| 98 | 500 mils | Spt. chloroformi | | 3 2 | $0.11\frac{1}{2}$ | $0 1\frac{1}{2}$ |
| 189 | 25 gm. | Strychnin, hydrochlor, S. 1 (4) | per | gr. | 0 1 | 3 10 |
| 30 | 25 gm. | Sulphathiazol. S. 1 R. only | _ | _ | 4 3 | $0 7\frac{1}{2}$ |
| 54 | 500 mils | Syr. ferri phosph., B.P.C. '49 | _ | 1 9 | $0.6\frac{1}{2}$ | 0 1 |
| 54 | 500 mils | Syr. sennæ | _ | 1 9 | $0 - 6\frac{1}{2}$ | 0 1 |
| 59 | 25 gm, | Theobromin., B.P.C | _ | _ | | 1 3 |
| 54 53 | 25 gm. 25 gm. | Theophyllina | _ | _ | 7 8 | 1 1 1 1 |
| 155 | 500 mils | Theophyllina Tinct. benzoin. co | | 5 0 | 1 6 | $\begin{array}{ccc} 1 & 1 \\ 0 & 2\frac{1}{2} \end{array}$ |
| 107 | 500 mils | Tinct, rhei co | | 5 0 3 5 | 1 0 | $\begin{array}{ccc} 0 & 2\frac{1}{2} \\ 0 & 2 \end{array}$ |
| 75 | 500 gm. | Ung. adipis lanæ, B.P.C. '34 | | 3 5 2 5 | $0.8\frac{1}{2}$ | 0 1 |
| 84 | 100 gm. | Ung. cinchocain. co., B.P.C. | | | | |
| 1.00 | 500 | '49 S. 1 (5) | _ | _ | 3 7 | 0 6 |
| 108 | 500 gm. | Ung. eucalypti, B.P.C. '49 | _ | 3 6 | 1 1 | 0 2 |
| 72 96 | 500 gm. | Ung. hamamelidis | | 2 4 3 1 | $0.8\frac{1}{2}$ | 0 1 |
| 129 | 250 gm. | Ung, hydrarg, nit, dil Ung, hydrarg, oleat. S. 1 (5) | _ | 3 1 | 0 11 | $0 	 1\frac{1}{2}$ $0 	 4$ |
| 180 | 500 gm. | Ung. hydrarg. oleat. S. 1 (5) Ung. hydrarg. plumbi et zinci. | _ | _ | 2 6 | 0 4 |
| .00 | Dow Elli. | B.P.C. '49 | | 5 9 | 1 9 | 0 3 |
| 420 | 2 kilos | Ung. methyl. salicyl | _ | 3 4 | 1 0 | $0 - 1\frac{1}{2}$ |
| 84 | 500 gm. | Ung. methyl. salicyl. dil | _ } | 2 8 | 0 10 | () $1\frac{1}{2}$ |
| 108 | 500 gm. | Ung. plumbi subacetatis, | 1 | | | |
| 92 | 350 | B.P.C. '49 P.I. (9) | q _{a-shi} aga. | 3 6 | 1 1 | 0 2 0 3 |
| 87 | 250 gm. 2 kilos | Ung, resorcinol., B.P.C. '49 | | 5 7 | 1 8 | $\begin{array}{ccc} 0 & 3 \\ 0 & 5 \end{array}$ |
| 164 108 | 2 kilos | Ung. zinci oxid Zinci oxidum | 2 1 | 4 8 0 10½ | $\begin{bmatrix} 1 & 4 \\ 0 & 3 \end{bmatrix}$ | 0 3 |
| 114 | 500 gm. | Zinnih Ium | 3 1 | 3 8 | 1 1 | 0 2 |
| 144 | 500 gm. | Zingib, Jam. pulv, | | 4 8 | 1 5 | $0 \frac{2}{2\frac{1}{2}}$ |
| | | | 1 | | | |

| Cost | | TABLETS | Retail (in container) | |
|-------------------------------------|--|--------------------------|--|---|
| d. | per | | 25 | 100 |
| 126 288 45 54 96 150 | 1,000 1,000 1,000 1,000 1,000 1,000 | Cascaræ sagr. ext. gr. 2 | s. d. $0 \ 10\frac{1}{2}$ $1 \ 5$ $0 \ 9\frac{1}{2}$ $0 \ 9\frac{1}{2}$ $0 \ 11$ $1 \ 2$ | s. d. 2 4 4 4 1 7 1 8 2 4 3 1 |

The bold letters and figures at left of dispensing price relate to the classification of poisons in THE CHIMIST AND DRUGGIST Poisons Guide.

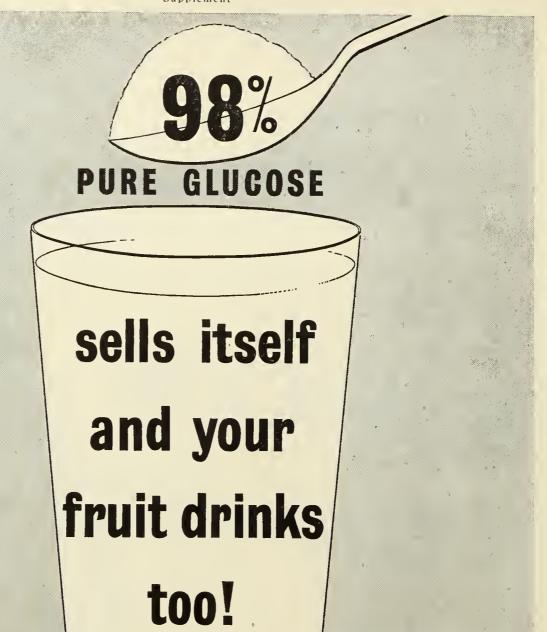




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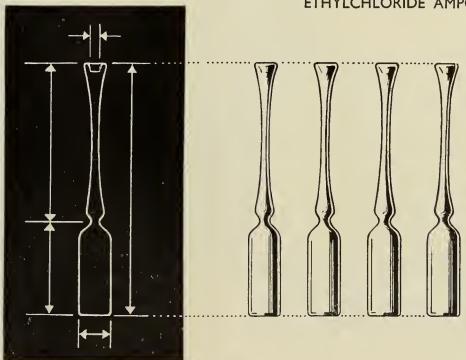
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If you have a chemical problem, Morsons are at all times glad to place their knowledge and technical resources at your disposal.

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Still the best hair tint. In all natural Shades. Stocked by all wholesalers. Trade Prices: I oz., 24/9 per doz., 2 oz., 36/- per doz. Purchase Tax 60%.

Retail Prices: 4/- and $5/9\frac{1}{2}$ per bottle respectively.

YOUR SALES ARF **ASSURED** IF YOU STOCK SHADEINE

GOLDEN SHADEINE-2 oz. size at 24/9 per doz. Purchase Tax 60%, Retailing 4/- per bottle.

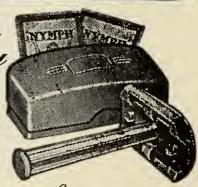


THE SHADEINE CO. LTD.

49 CHURCHFIELD ROAD, ACTON, LONDON, W.3





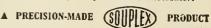




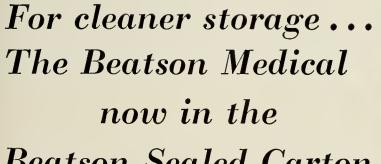
Ulaman

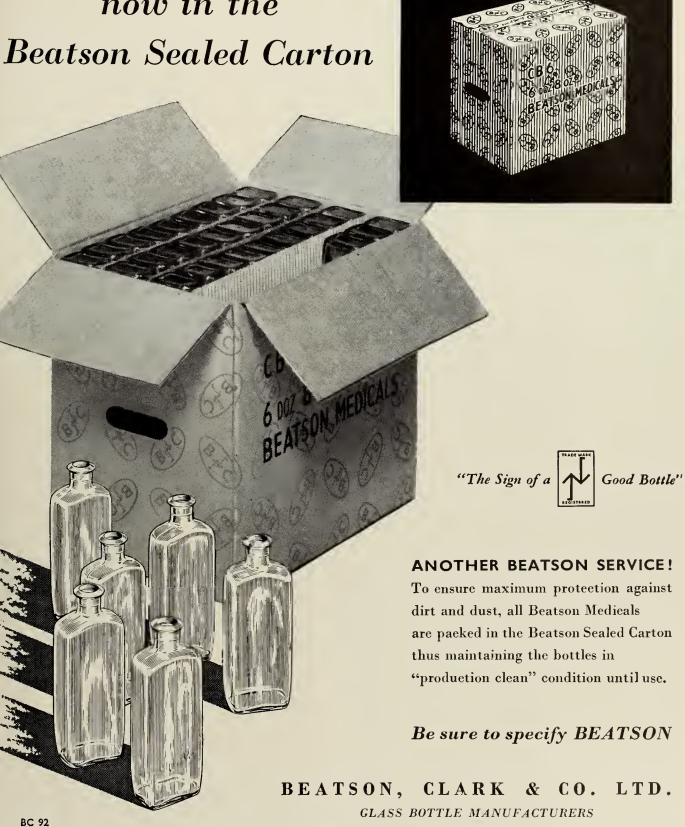
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Obtainable from your usual wholesaler.



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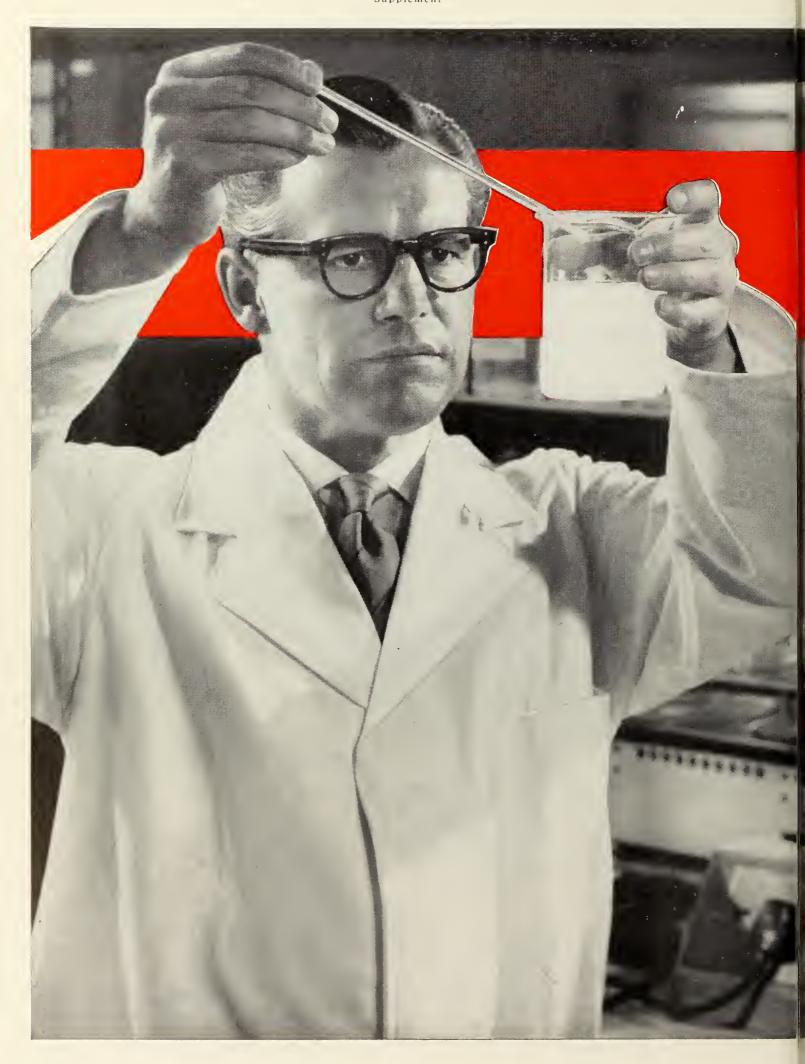




ROTHERHAM

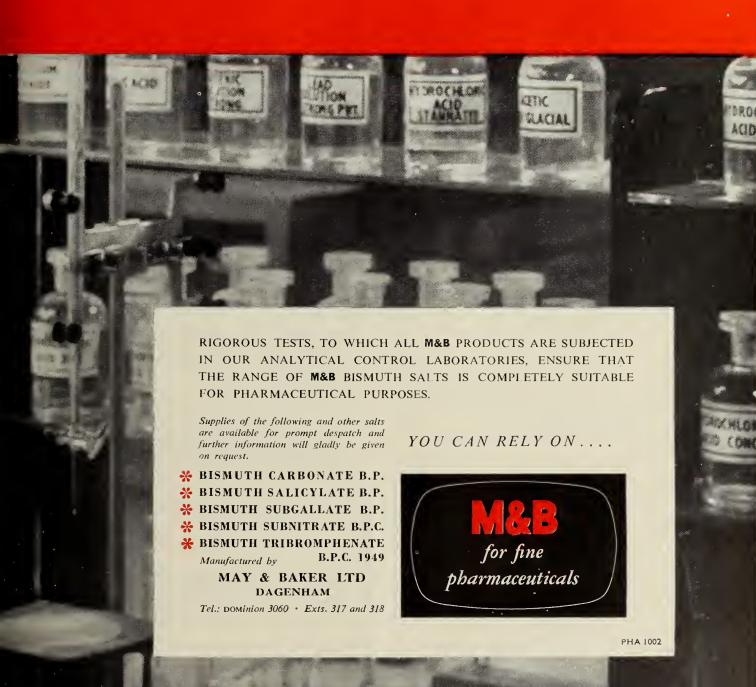
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M&B Bismuth Salts



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And look what we're doing to push sales even higher!

Big adventisement drive!

Lively TV commercials—reaching 18 million viewers—on all stations—two or three times a week—throughout the summer!
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Order Citroze in case lots, and this is your profit— 9d minimum profit on every 3/9 bottle

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THE GLUCOSE DRINK FLAVOURED WITH WHOLE FRESH LEMONS

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Every Station—Midlands, Northern, Scotland and Wales (June—July) and London (Sept.—Oct.).

Three sparkling new films will once again drive home the DOMESTOS message—"Use DOMESTOS — the Brushless Lavatory Cleanser—last thing every night".





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SUTTLEY & SILVERLOCK

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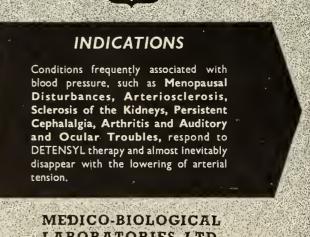
Detensyl

Vegeto-Polyhormonic Hypotensor

The recognised treatment in conditions requiring the lowering of arterial tension

DETENSYL is another of the M.B.L. preparations which has been accepted by doctors in many countries. In various indications associated with blood pressure, regular administration restores normality. A small, periodic dosage is recommended for maintenance.

DETENSYL contains mistletoe, liver, pancreas and lung substances. More than a palliative, it re-educates the endocrine glands, allowing them to resume their regulation of the arterial tension.



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An old and tried favourite with a 25% profit margin

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single wrapped tablets in a display outer of 1 dozen selling at $1/3\frac{1}{2}d$. per tablet (inc. P.T.) unwrapped tablets in a box of 3 selling at $3/10\frac{1}{2}d$. per box (inc. P.T.)

TRADE PRICE: 10d. per tablet (plus 3d. P.T.)

PROFIT: per tablet $2\frac{1}{2}$ d. per box $7\frac{1}{2}$ d. from all wholesalers

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Lastonet Elastic Net Bandages, with their two-way stretch, give firm, even support to sprained or weak joints. Their open net lets air circulate freely. They're hygienic and washable. Hence their popularity and great sales potential. They're available in 5-yard lengths (fully stretched) and $2\frac{1}{2}$, 3, $3\frac{1}{2}$ or 4 inch widths, also 5 inch width of $7\frac{1}{2}$ yard length (fully stretched). Attractively packed in half-dozens or dozens. They can be supplied against NHS prescriptions. There's a good profit margin and display material is available. Over to you! Approved by the National Varicose Foundation.

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ESSENTIAL OILS SPICES WAXES

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C 1650

APPOINTMENTS

BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2

Locum Pharmacist
Salary up 10 £16 guineas a week. Apply to
Hospital Secretary. Tel.: ADV, 3413. C 397

BROOKWOOD HOSPITAL,

Applications are invited for the above post. The successful candidate will be required to work under the supervision of the Chief Pharmacist, who is responsible for the preparation and issue of drugs and dressings for about 1750 patients

and issue of drugs and dressings for about 1750 patients. Salary scale £170 p.a. at age 16 years rising to £375 at age of 22 years or over rising to a maximum of £490 p.a. (plus £20 p.a. for an approved qualification). Professional and Technical Council B of Whitley Council conditions apply to the appointment which is subject to the provision of the National Health Service Superannuation Regulations.

lations.

The successful candidate will be required to pass a medical examination.

Accommodation available for female candidate for which a charge of £2 8s. per week will be made

Applications giving particulars of age, experience and qualifications, together with names of two referees to the Physician Superintendent. as soon as possible.

CENTRAL GROUP HOSPITAL
MANAGEMENT COMMITTEE
Locum Dispensing Assistant
required for the following period:—
September 22 to 27.
Salary up to £9 11s. 6d, per week, plus London Weighting according to age and qualifications. Applications to the Chief Pharmacist, St. Leonard's Hospital, Nuttall Street, London, N.1.
C 415

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist and Pharmacis

Senior Pharmacist and Pharmacist required at Bethnal Green Hospital (350 Acute beds). The department has recently been modernised and is approved for training students, N.H.S. Scale within the range £680-£870 for Senior Pharmacist and £600-£815 for Pharmacist, plus appropriate higher qualification allowance, Apply with details of age, training and experience to the Group Secretary, 213 Kingsland Road, London, E.2. C 344

CHERRY KNOWLE HOSPITAL, RYHOPE, Nr. SUNDERLAND, Co. DURHAM

Chief Pharmacist Full-time or Part-time (Category I)

Full-time or Part-time (Category 2) (Sessional rates at Pharmacist-in-sole-charge) Health Service scales and conditions, Active Psychiatric Hospital of 900 beds, Written ap-plications forthwith to the Group Secretary, C 8275

CROYDON GROUP HOSPITAL, MANAGEMENT COMMITTEE, MAYDAY HOSPITAL

(595 Beds)

Senior Pharmacist

Senior Pharmacist
Immediate vacancy, Modern Department. Opportunity to secure wide experience in Hospital Pharmacy, Salary scale, £650 x £30 (6)—£830 per annum, plus London Weighting, Higher qualification allowance payable where applicable, Written applications giving age, qualifications and details of previous experience to be sent to the undersigned within 10 days of the date of this advertisement.

GEORGE A. PAINES, GEORGE A. PAINES,

General Hospital, London Road, Croydon. Group Secretary. C 8251

DEVONSHIRE ROYAL HOSPITAL, BUXTON

Part-time Pharmacist

Applications are invited from pharmacists for the above post to attend on five half days per week at the above hospital.

Applications with full particulars to the Secretary, Stockport and Buxton H.M.C., 598 Shaw

Heath, Stockport.

DULWICH HOSPITAL. EAST DULWICH GROVE, LONDON, S.E.22

Senior Pharmacist

Applications invited for appointment to above position. Category III Hospital associated with King's College Hospital Medical School for teaching purposes, Post vacant from September 15. Salary and conditions according to Whitley Council agreements. Apply giving age, qualifications and experience with names of two referees to Group Secretary, Camberwell H.M.C., Dulwich Hospital, not later than August 20.

FOREST GROUP H.M.C., LANGTHORNE ROAD, E.11

Locum Assistant-in-Dispensing

(Apothecaries' Hall Certificate), required at Connaught Hospital, Walthamstow, E.17, 8,9.58 to 20,9.58, £9 11s. 6d. p.w. Apply, C 8233

GENERAL HOSPITAL, **MARGATE**

Chief Pharmacist (Category III)

Whitley Council salary scale-£785 to £1,070

Whitey Council per annum.

Applications, stating age, qualifications and experience, with names of two referees, to the C 418 perience, with nam Hospital Secretary.

GENERAL HOSPITAL, **MARGATE**

Locum Pharmacist

required. Applications, stating age, qualifica-tions and experience, with names of two re-ferees, to the Hospital Secretary. C 414

KENT AND CANTERBURY HOSPITAL, CANTERBURY

Locum Pharmacist

required for scrvice in the Group Pharmaceutical department for a period of approximately two months. Salary by arrangement and according to experience. Enquiries to Group Pharmacist (telephone Canterbury 2291). Applications to Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury. C 8249

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WINDSOR

Assistant-in-Dispensing
required urgently. Whitley salary, Apply giving particulars and names of referees to Sec-

LAMBETH HOSPITAL,

BROOK DRIVE, S.E.11

Assistint-in-Dispensing
required. Whitley Council rates of pay and conditions. Applications in writing, giving names of two referees to the Secretary. C 390

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1 Locum Pharmacist

required at the above hospital from August 18 to September 11, and from October 1 for an indefinite period. Salary £16 16s. per week, Applications to the Chief Pharmacist (Tel.: Stepney Green 4251).

C 8242

LONDON JEWISH HOSPITAL,
STEPNEY GREEN, E.1
Pharmacist
required at the above hospital from October 1,
1958, Whitley Council salary and conditions of
service, Applications stating age, qualifications,
experience, and giving the names of two referces, to the Secretary, Stepney Group Hospital Management Committee, Mile End
Hospital, Bancroft Road, E.1. C 8243

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Category IV

Loeum Tenens Pharmacist

£16 16s, weekly. Duties at Mayday Hospital, or
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Modern Pharmacy. Good working conditions.
Canteen on Hospital premises, Vacancy on
week-to-week basis for indefinite period.
Applications, in writing, giving details of age,
qualifications and previous experience to the
undersigned.

GEORGE A. PAINES, Group Secretary,

General Hospital, London Road, Croydon,

C. 8267

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8 Locum Pharmacist required August 5—September 6, 1958. Apply to Hospital Secretary. Clissold 6862. C 392

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8

Senior Pharmacist
for modern department. Permanent post vacant
due to retirement. Salary £680—£870 p.a. plus
appropriate higher qualification allowance.
Apply with details of age, training and experience to the Hospital Secretary.

C 398

NORTH WIRRAL HOSPITAL

MANAGEMENT COMMITTEE

Pharmacist

Applications are invited for the appointment of Pharmacist, full-time, to assist the Chief Pharmacist at Mill Lane Hospitals, Wallasey,

Cheshire, Salary and conditions of service in accordance with the Pharmaccutical Whitley Council Committee "C" Salary, £580 x £30 (6)—£760 x £25 (1)—£785, Previous professional experience will be taken into consideration when considering the point of entry into the basic grade. Applications, with full details and names and addresses of two referees, to the Group Secretary. C 8228

NOTTINGHAM No. 1 HOSPITAL MANAGEMENT COMMITTEE, NOTTINGHAM EYE HOSPITAL

Chief Pharmacist (Category II)
Applications are invited for the appointment of Chief Pharmacist (non-resident) at the above Hospital.

Hospital.
Salary and conditions of service in accordance with Whitley Council Regulations.
Applications giving full particulars together with the names of three referees to be sent as soon as possible to the Group Secretary, General Hospital, Nottingham.

C 408

NOTTINGIIAM EYE HOSPITAL

Assistant-in-Dispensing required. Duties to commence on July 20,

Salary and conditions of service in accordance

Salary and conditions of service in accordance with the Whitley Council.

Applications stating age, experience, qualifications, and the names of two referees to be sent to the Group Secretary, General Hospital, C 413

REDHILL COUNTY HOSPITAL, EARLSWOOD COMMON,

REDHILL, SURREY
Pharmacist (male or female)
required in new department at Redhill County
Hospital, Earlswood Common, Redhill, Surrey,
Post now vacant. Experience can be given in
manufacturing sterile preparations. Applications
in writing, giving two referees and detailing
experience, to Deputy Group Secretary. C 8273

ROYAL EAST SUSSEX

HOSPITAL, HASTINGS

Locum Dispenser
required from September 1st—6th, Apply with full particulars to Administrator. C 8274

STAINES GROUP HOSPITAI MANAGEMENT COMMITTEE, ASHFORD HOSPITAL

ASHFORD, MIDDLESEX

Locum Pharmacist
required, Salary £16 16s, per week. Applications, stating age, qualifications and experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately.

C 416

ST. ALBANS CITY HOSPITAL,
NORMANDY ROAD,
ST. ALBANS, HERTS
(384 Beds)
Senior Pharmacist (Category III)
A vacancy will occur in September at the above general Hospital within easy reach of Central London. Whitley Council salary and conditions, Applications stating age, qualifications and experience to the Chief Pharmacist.

C 8229

ST. LEONARD'S HOSPITAL, NUTTALL STREET, LONDON, N.1

Locum Pharmacist required immediately. Salary up to 16 gns. a week. Apply to Hospital Secretary. Telephone: Clerkenwell 2901.

ST. LEONARD'S HOSPITAL,

NUTTALL STREET, N.I

Locum Pharmacist

required from 15th to 20th September, Salary
16 gns. per week, Applications to Chief Pharmacist, Tel.: Shoreditch 3311. C 410

ST. LEONARD'S HOSPITAL, NUTTALL STREET, LONDON, N.I

Permanent post in modern department. Salary £650 to £830, plus appropriate London Weighting and higher qualification allowance. Apply with details of age, training and experience to Usepital Secretary. C 400

ST. HELIER HOSPITAL,

CARSHALTON, SURREY
(Category V—733 beds)

Assistant-in-Dispensing
required for general dispensing duties in busy department, Experience of sterilising techniques an advantage. Canteen facilities available, London Weighting payable, Applications with names of two referees to the Secretary, C 8276

PINDERFIELDS GENERAL

PINDERFIELDS GENERAL
HOSPITAL, WAKEFIELD
Assistant-in-Dispensing
required. Apothecarics' Hall Certificate preferred. Whitley Council salary scale applies.
Address written applications, giving full personal particulars and two names and addresses
for reference, to W. BOWRING, Group Secretary, Pinderfields General Hospital, Wakefield. C 8245

WINWICK AND NEWCHURCH HOSPITAL MANAGEMENT COMMITTEE Applications are invited for the post of Senior Pharmaceist in the Group Pharmaceutical Department at Winwick Hospital (2,305 bcds) Salary £650 x £30 (6)—£830 Also

Also

Locum Pharmaeist

required for any four weeks August/September.
Salary 16 guineas per week.
Applications, giving date of birth, full particulars regarding qualifications and experience, together with names and addresses of two referees, should be forwarded to the Secretary (Ref. CD/99), Winwick Hospital, Warrington.

C 8254

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX

ISLEWORTH, MIDDLESON

Pharmaeist

for main Pharmaceutical Department. Salary
£580—£785 per annum, plus London Weighting. Whitley conditions and assimilation point
in salary scale according to experience.
Apply giving age, qualifications and experience, with names of referees to the Chief
Pharmaeist. C 405

PUPILS

KENT AND CANTERBURY

HOSPITAL, CANTERBURY

Post-graduate Student

required in the Group Pharmaceutical Department, Immediate vacancy, Salary £385 per annum, Enquiries to Group Pharmacist (telephone Canterbury 2291), Applications to Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury.

C 8248

WARRINGTON AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE, WARRINGTON GENERAL HOSPITAL Post-graduate Student Applications are invited for a post-graduate Student required at Warrington General Hospital. This post offers excellent opportunity for experience in all branches of Pharmaceutical work,

work.
Salary—£385 per annum.
Applications stating age, particulars of education, etc., should be sent to the undersigned, together with names of two referees.

HENRY L. BOOT,

Group Secretary,
Warrington & District Hospital Management

Committee.
O General Hospital,
Lovely Lane.

Warrington, Lancs.

C 8257

SITUATIONS VACANT RETAIL (HOME)

BACUP. Vacancy for young lady or gentleman offering excellent opportunity of gaining varied experience in a congenial pharmacy. Ample supporting staff, Full details to A. E. Barton, M.P.S., 3 St. James' Street, Bacup, Lanes. C 1653

BRIGHTON. Pharmacist assistant required. Hours arranged to suit applicant; age, sex and experience immaterial. Apply giving salary expected to D. L. Sharp, 4 Leybourne Parade, Lower Bevendean, Brighton. C 1647

MIDLANDS (Prosperous Industrial Town).

Manager required for old established pharmacy which should be well capable of considerable further development, Remuneration by way of salary and bonus on net profit, Flat available if required. Excellent opportunity for keen and energetic applicant, with good personality. All replies treated in strict confidence, Box C 8278.

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- 3. The Wirral
- 4. Central Wales
- 5. Yorkshire
- 6. N.E. England
- 7. Scotland

and invite applications from pharmacists or persons with a pharmaceutical or medical background to fill these vacancies.

All the appointments offer excellent career prospects, and in addition to a generous starting salary, a bonus scheme is in operation. A car is provided, expenses paid and a non-contributory Pension and Life Assurance Scheme operated. Fully detailed applications, indicating the area(s) interested in, should be made to Personnel Officer, Pfizer Ltd., 137/139 Sandgate Road, Folkestone, quoting reference E 6683.

C 8123

MECHANICAL ENGINEER

Expanding Pharmaceutical Organisation requires Engineer to take charge of Engineering Department covering the maintenance and installation of plant and equipment. Applicant must be conversant with the rotitine control and planning of preventive maintenance preferably with equipment allied to pharmaceutical manufacturing. Some experience in electrical aspects of engineering whilst not essential would be an advantage.

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The London Manager, Messrs. Robinson & Sons. Ltd., 229/231 High Holborn, London, W.C.1.

Situations Vacant—Continued

WANTED. Assistant male or female for counter, etc. Knowledge of dispensing an advantage. Congenial post, good hours, salary according to experience. Turner, 242 Upper Richmond Road, S.W.14.

WHOLESALE

ASSISTANT ANALYST with qualifications or experience for food factory near Watford. Fiveday week, canteen, etc. Please write giving details and salary required to Box C 8258.

ALLIED LABORATORIES LIMITED MEDICAL REPRESENTATIVES
Owing to continued growth of our Company, applications are invited for vacancies which exist on the following territories:—
South Lancashire & Cheshire.
Glasgow (North of River).
These territories offer interesting and rewarding work for men with initiative and a keen sense of responsibility. Previous experience in representative work is desirable, but consideration will be given to men with a sound pharmaceutical and medical background. Candidates should hold a current driving licence and reside on the territory for which they apply. Remuneration is by salary, bonus and expenses. An attractive life assurance and pension scheme is also provided. A company car is supplied and maintained, Applications, treated in strictest confidence should give full details of career to date and be addressed to the Sales Manager, Allied Laboratories, Ltd., 140 Park Lane, London, W.1.

ORDER CLERKS. The British Drug Houses, Ltd., require clerks with a sound knowledge of ethical and proprietary medicines for telephone order and pricing work. Applicants should have experience in the wholesale distribution trade. Five-day week, canteen. Apply in writing stating age, experience and salary required to the Staff Manager, The British Drug Houses, Ltd., Graham Street, City Road, N.1. C 8268

ARE YOU INTERESTED IN MAKING SELLING TO CHEMISTS YOUR CAREER? If so, and you are,
(a) Between 23-30 years of age,
(b) Fully mobile and in possession of a clean car driver's licence,
(c) At present engaged in retail pharmacy or have experience in selling to chemists,
(d) Prepared to undergo detailed training at these offices as a preliminary to appointment to our chemist sales force,

force.

You should apply immediately for appointment as trainee chemist salesman. Salary according to qualifications will be paid during training.

Apply in writing, giving full details, to H.S.M., S. MAW SON AND SONS, LIMITED, Aldersgate House, Cromer Road, New Barnet, Herts. C 8266

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MACLEANS, LIMITED, Great West Road, Brentford, invite applications from young graduates with an honours degree in chemistry, or equivalent qualification, for a progressive post in their development laboratory. The position is a responsible one concerned with the production and packaging of pharmaceutical products. There is a non-contributory pension scheme and profit participation scheme in operation. Five-day week. Write stating age, qualifications and salary required to the Personnel Manager.

C 8265

REXALL DRUG COMPANY LIMITED

require an experienced representative, preferably with connection among repreferably with connection among retail pharmacists, in the Birmingham area. Applicants should be of pleasing personality and appearance, age 27-40 years, and capable car drivers. Good salary, plus commission; full reimbursement of expenses; company car provided; contributory pension scheme in operation. Applications, which will be treated as strictly confidential, to Sales Manager, Rexall Drug Company Limited, Loughborough. C 8255

MEDICAL REPRESENTATIVES required to Liverpool, Manchester and Glasgow areas. Pension scheme operative. Apply with details of past experience, qualifications, salary, etc. Brook, Parker & Co., Ltd., Box No. 353, C 8261

VETERINARY REPRESENTATIVE

VETERINARY REPRESENTATIVE
A leading pharmaceutical company requires technical/sales representatives for expanding veterinary and agricultural division. Applicants must be of pleasing personality preferably with experience in this type of work and possessing adequate technical background. A specialised interest in animal health, animal nutrition and livestock farming is essential. These appointments will offer considerable scope for advancement within the organisation to applicants with proved initiative and ability.

The appointments are well remunerated with progressive salary, adequate expense allowance and annual commission directly associated with territorial results.

The positions are superannuated and only cardidates with keep desire to

torial results. The positions are superannuated and only candidates with keen desire to progress should apply in writing, with full details regarding age and past experience, to Box C 8247.

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Situations Vacant—continued

YOUNG MAN or young lady as assistant in essence and perfumery compounding labora-tories. Some laboratory experience desirable. Progressive post with good prospects, Apply by letter g.v ng experience to Box C 1656.

AGENTS WANTED

M.A.A.—The Badge of a good manufacturers' agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britam & Ireland (Inc.), Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied.

SELLOTAPE distributors and stockists require agents calling on chemists, stores, etc., West Country, London and Birmingham, to sell self-adhesive tape for counter packing. Attractive terms. Write, George Jones (Distributors), Ltd., 3 Harriet Street, Knightsbridge, S.W.I. C 1652

SITUATIONS WANTED RETAIL (HOME)

GENTLEMAN, unqualified, 28 years comprehensive experience, now free. Locums considered. W. V. Laidlaw, 42 Cavendish Road, Oxford. C 1660

RELIEF, weekends, evenings, etc., offered in part return for s./c. accommodation, London area. Rent, fees, etc., by arrangement, Young married pharmacist would welcome offers. Box C 1658.

PHARMACIST M.P.S.N.I, seeks interesting remunerative post in retail pharmacy. Eligible for registration in Great Britain. Free mid September. Box C1657.

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EXCELLENT connection available with representative London and Home Counties, Would accept commission only for genuine proposition. Results guaranteed, Box C 1649,

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ESTABLISHED importer in Trinidad, already representing several British houses, is anxious to handle a good quality lip stick and other cosmetic lines. Sole distribution rights for territory essential, Box C 1654.

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SOUTH AFRICAN CHEMIST interested in contacting firms wishing to have their lines manufactured under franchise in the Union. Pharmaceuticals, edibles, household commodities, toiletries, etc. Further details from Box C 8271.

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